Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1	levocarnitine	Carnitor	11/15/1989	1. Prevention of secondary carnitine deficiency in valproic acid toxicity 2. Treatment of secondary carnitine deficiency in valproic acid toxicity	Sigma-Tau Pharmaceuticals, Inc.
2	thalidomide	n/a		1. Treatment of graft versus host disease in patients receiving bone marrow transplantation 2. Prevention of graft versus host disease in patients receiving bone marrow transplantation	Pediatric Pharmaceuticals, Inc.
3	Theranost 68 Ga RGD	n/a		A Diagnostic for the management of Moyamoya disease (MMD)	
4	heat killed Mycobacterium w immunomodulator	Cadi Mw		Active tuberculosis	Cadila Pharmaceuticals Limited, Inc.
5	Histamine	Ceplene	12/15/1999	Adjunct to cytokine therapy in the treatment of acute myeloid leukemia.	EpiCept Corporation
6	rh-microplasmin, ocriplasmin	Jetrea	3/16/2004	Adjunct to surgery in cases of pediatric vitrectomy	ThromboGenics Inc.
7	Somatostatin	Zecnil	6/20/1988		Ferring Laboratories,

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
8	efaproxiral	n/a	7/28/2004	Adjunct to whole brain radiation therapy for the treatment of brain metastases in patients with breast cancer	Allos Therapeutics,
9	Oxandrolone	Oxandrin		Adjunctive therapy for AIDS patients suffering from HIV-wasting syndrome.	Bio-Technology General Corp.
10	clenbuterol	Spiropent, Ventipulmin	10/27/2014	Adjunctive therapy with enzyme replacement therapy in the treatment of Pompe disease	Duke University Medical Center
11	fialuridine	n/a	7/24/1992	Adjunctive treatment of chronic active hepatitis B.	Oclassen Pharmaceuticals, Inc.
12	DNP-Modified autologous tumor vaccine	O-Vax		Adjuvant therapy for the treatment of ovarian cancer	AVAX Technologies, Inc.
13	heat killed mycobacterium w immunomodulator	Cadi Mw	11/21/2002	Adjuvant to multi-drug therapy in the management of multibacillary leprosy	CPL, Inc.
14	Murine MAb to polymorphic epithelial mucin, human milk fat globule 1	Theragyn	3/22/1999	Adjuvant treatment of ovarian cancer.	Antisoma plc
15	selumetinib	n/a	5/10/2016	Adjuvant treatment of patients with stage III or stage IV differentiated thyroid cancer.	AstraZeneca Pharmaceuticals LP
16	pralmorelin hydrochloride	n/a	10/18/2012	As a diagnostic agent for the detection of growth hormone deficiency	Sella Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
17	1-(2-Nitro-imidazolyl)-3- [18F]fluoro-2-propanol;1H-1- (3-[18F]fluoro-2- hydroxypropyl)-2-			As a diagnostic for clinical management of soft tissue sarcoma, including	Advanced Imaging
10	nitroimidazole	n/a	1/6/2016	rhabdomyosarcoma.	Projects, LLC
18	2'-deoxycytidine	n/a	9/9/1996	As a host-protective agent in the treatment of acute myelogenous leukemia.	Grant, Steven M.D.
19	cultured, partially T-Cell depleted, allogenic thymic tissue for transplantation	n/a		As a therapy for primary immune deficiency resulting from athymia associated with complete DiGeorge Syndrome	Duke University Medical Center
20	Mitolactol	n/a	7/12/1995	As adjuvant therapy in the treatment of primary brain tumors.	Targent, Inc.
21	polyinosinic-polycytidilic acid	Poly-Iclc		As an adjuvant to smallpox vaccination	Oncovir
22	Benzylpenicillin, benzylpenicilloic, benzylpenilloic acid	Pre-Pen/Mdm	9/28/1987	Assessing the risk of administrating penicillin when it is the preferred drug of choice in adult patients who have previously received penicillin and have a history of clinical sensitivity.	AllerQuest LLC
23	Tiazofurin (2-Beta-D- ribofuranosyl-4- thiazolecarboxamide)	n/a	12/27/2000	Chronic myelogenous leukemia (CML)	Valeant Pharmaceuticals North America
24	Thiotepa	Tepadina		Conditioning treatment prior to hematopoietic stem cell transplantation	Adienne S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
25				Conditioning treatment prior to	
				hematopoietic stem cell	
				transplantation (HSCT) in	
				malignant and non-malignant	
	16.	. 1.	4/0/2045	diseases in adults and pediatric	Marilan Carlatt
26	treosulfan	n/a	4/8/2015		Medac GmbH
26				Debridement of acute, deep	
	debrase	Debridase	9/20/2002	dermal burns in hospitalized	MadiMound 1+d
27	debrase	Debridase	8/20/2003	Debridement of severe, deep	MediWound, Ltd.
27				dermal burns in hospitalized	BioMarin
	vibriolysin	Vibrilase	6/16/2006		Pharmaceutical Inc.
28	Vibriorysiii	VIDITIASE	0/10/2000	patients	r Harmaceuticai ilic.
20				Detecting early necrosis as an	
				indication of rejection of	
	Imciromab pentetate	Myoscint	1/25/1989	orthotopic cardiac transplants.	Centocor, Inc.
29					
				Detecting folic receptor alpha	
	OTL38; conjugate of pteroi			positive lesions in ovarian cancer	
	acid and S0456 near infrared			patients (diagnostic for the	On Target
	dye	n/a	12/23/2014	management of ovarian cancer)	Laboratories, LLC
30				Detection of hCG producing	
	lodine I 123 murine] ,		tumors such as germ cell and	
	monoclonal antibody to hCG	n/a	11/7/1988	trophoblastic cell tumors.	Immunomedics, Inc.
31	Peptidomimetic analog of	. 1.	F /4 4 /200=	Diagnosis of growth hormone	Aeterna Zentaris
22	hexarelin	n/a	5/14/2007	geticiency	GmbH
32	Nitraio qui do	 	2/16/2005	Diagnosis of savosidosis	SensorMedics
	Nitric oxide	n/a	2/16/2005	Diagnosis of sarcoidosis	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
33				Diagnosis or assessment of	
				rejection status in heart, heart-	
	Technetium Tc99m rh-Annexin			lung, single lung, or bilateral lung	Theseus Imaging
	V	Apomate	11/3/2000	transplants.	Corporation
34				Diagnostic for clinical	
				management of patients with	Advanced Imaging
		n/a	12/8/2014	neuroblastoma	Projects, LLC
35	1-(2-Nitro-imidazolyl)-3-				
	[18F]fluoro-2-propanol; 1H-1-				
	(3-[18F]fluoro-2-				
	hydroxypropyl0-2-			a	
	nitroimidazole (18F-	. 1.	1/5/2016	Diagnostic for management of	Advanced Imaging
26	Misonidazole)	n/a	4/6/2016		Projects, LLC
36				Diagnostic for the clinical	Advanced Accelerator
	Gallium (68Ga) edotreotide	Somakit Toc	7/1/2015	management of neuroendocrine	Advanced Accelerator
37	Gaillutti (68Ga) edotreotide	Somakit Toc	7/1/2013	Diagnostic for the clinical	Applications, USA
37				management of patients with	Advanced Imaging
	Theranost 68Ga RGD	n/a	1/26/2015	tuberculosis	Projects, LLC
38	18-(p-[124I]-	ii/ a	1/20/2013	tuberculosis	r rojects, LLC
	iodophenyl)octadecyl			Diagnostic for the management	Cellectar Biosciences,
	phosphocholine	n/a	4/30/2014		Inc.
39	p		1,33,2011	Diagnostic for the management	
	florilglutamic acid	n/a	5/11/2016		Piramal Imaging S.A.
40	Ü				
				Diagnostic for the management	
	[F18] florilglutamic acid	n/a	7/13/2016	of hepatocellular carcinoma	Piramal Imaging S.A.
41					
	chlorotoxin conjugated to			Diagnostic for the management	
	indocyanine green dye	n/a	6/23/2015	of malignant brain tumors	Blaze Bioscience, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
42	radiolabeled somastatin			Diagnostic for the management	
	analog	Galiomedix(Tm)	12/21/2012	Diagnostic for the management of neuroendocrine tumors	RadioMedix, Inc.
43	analog	Galloffiedix(Tiff)	12/31/2013	of fledioefidociffie tuffiors	Radioiviedix, iiic.
73				Diagnostic for the management	
	Copper 64-DOTA-TATE	Netmedix (Tm)	5/18/2016	of neuroendocrine tumors.	RadioMedix, Inc.
44		,			,
				Diagnostic imaging in the	
				evaluation of the extent of	
				disease in patients with	
				histologically confirmed diagnosis	
				of non-Hodgkin's B-cell	
				lymphoma, acute B-cell	
	Technetium Tc99m murine			lymphoblastic leukemia (in	
	monoclonal antibody (IgG2a)			children and adults), and chronic	
	to B cell	Lymphoscan	4/7/1992	B-cell lymphocytic leukemia.	Immunomedics, Inc.
45				Biological Control of the	
				Diagnostic measure of the	e
	samataralin	Comotrol	0 /0 /1 000		Ferring Laboratories,
46	somatorelin	Somatrel	8/8/1989	release growth hormone.	Inc.
40	18Fluorine-N-3-Fluoropropyl-			Diagnostic to be used in the	
	2beta-carbomethoxy-3beta-(4-				Advanced Imaging
	iodophenyl) Nortropane	n/a	1/26/2015	atrophy (MSA)	Projects, LLC
47	F = 11 = 100 E = 110	,	-, = -, = 323	Emergency topical treatment of	J ,
				hydrogen fluoride (hydrofluoric	Paddock
	Calcium gluconate gel 2.5%	n/a	9/10/1990	acid) burns.	Laboratories, Inc.
48					
	human donor hematopoietic			Enhancement of cell engraftment	
	stem and progenitor cells			in patients receiving	
	(HSPC) that have been treated			hematopoietic stem cell	Taiga
	ex vivo with TBX-4000	n/a	6/2/2016	transplant.	Biotechnologies, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
49	allogeneic cord blood cells, ex vivo modulated with 16,16 dimethyl prostaglandin E2 (dmPGE2)	n/a	12/2/2010	Enhancement of stem cell engraftment through ex vivo treatment of human allogeneic hematopoietic stem cells (treatment of neuropenia, thrombocytopenia, lymphopenia, and anemia).	Fate Therapeutics,
50	Recombinant human highly phosphorylated alpha-L-iduronidase (rhHP-IDUA)	n/a		Enzyme replacement therapy in patients with all subtypes of Mucopolysaccharidosis I.	Novazyme Pharmaceuticals, Inc.
51	progesterone	n/a		Establishment and maintenance of pregnancy in women undergoing in vitro fertilization or embryo transfer procedures.	Watson Laboratories,
52	estradiol Gel	n/a	10/31/2006	Estrogen replacement therapy in females with Turner syndrome	Ascend Therapeutics US, LLC
53	Urogastrone	n/a	11/1/1984	For acceleration of corneal epithelial regeneration and healing of stromal incisions from corneal transplant surgery.	Chiron Vision
54	Epidermal growth factor (human)	n/a	10/5/1987	For acceleration of corneal epithelial regeneration and the healing of stromal tissue in the condition of non-healing corneal defects.	Chiron Vision

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
55	Autologous DNP-conjugated tumor vaccine	M-Vax	2/23/1999	For adjuvant therapy in melanoma patients with surgically resectable lymph node metastasis (Stage III and limited Stage IV disease).	Avax Technologies, Inc.
56	Liposomal cyclosporin A	Cyclospire		For aerosolized administration in the prevention and treatment of lung allograft rejection and pulmonary rejection events associated with bone marrow transplantation.	Vernon Knight, M.D.
57	P140K MGMT transduced human CD34 cells	n/a		For bone marrow protection in the treatment of glioblastoma multiforme	Lentigen Corporation
58	sodium sulfate, potassium sulfate, and magnesium sulfate	Suprep		For cleansing of the colon in preparation for colonoscopic diagnosis of colonic disease in children and adolescents	Braintree Laboratories, Inc.
59	Recombinant human highly phosphorylated acid alphaglucosidase	Tbd		For enzyme replacement therapy in patients with all subtypes of glycogen storage disease type II (GSDII, Pompe Disease)	Novazyme Pharmaceuticals, Inc.
60	Multi-vitamin infusion (neonatal formula)	n/a	12/12/1989	For establishment and maintenance of total parenteral nutrition in very low birth weight infants.	Astra Pharmaceuticals, L.P.
61	mepolizumab	n/a	5/28/2004	For first-line treatment in patients with hypereosinophilic	GlaxoSmithKline LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
62				For immune reconstitution and	
				prevention of graft versus host	
				disease following allogeneic	
	4,5 dibromorhodamine methyl	Theralux Photodynamic		hematopoietic stem cell	Kiadis Pharma
	ester	Therapy	10/23/2007	transplantation.	Netherlands B.V.
63		Т. С.		For intermittent or chronic	
				treatment of patients with	
				cirrhosis and any grade hepatic	Horizon Therapeutics,
	gylceryl tri (4-pheynlybutyrate)	n/a	9/3/2009	encephalopathy.	Inc.
64					
	(3S)-3-[({1-(2-Chlorobenzyl)-4-				
	hydroxy-5-methyl-2-oxo-1,2-				
	dihydropyridin-				
	3yl}amino)carbonyl]amino-3-				
	(4-methylphenyl)propanoic			For mobilization of	Aviara
	acid monosodium salt	n/a	4/25/2016	hematopoietic stem cells	Pharmaceuticals, Inc/
65				For oral administration in the	
			2/27/4000	treatment of intestinal graft-	
66	Beclomethasone dipropionate	n/a	3/2//1998	versus-host disease.	Soligenix, Inc.
00	N2' descent N2' /2 moreonte				
	N2'-deacetyl-N2'-(3-mercapto- 1-oxopropyl)-Maystansine-				
	Conjugated Humanized C242				SmithKline Beecham
	Monoclonal Antibody	n/a	12/7/2000	For pancreatic cancer	Pharmaceuticals
67	Interiorial Antibody	ii) a	12/7/2000	Tor pancreatic cancer	rilainiaceuticais
				For post-exposure prophylaxis of	
				anthrax disease resulting from	Emergent BioDefense
				suspected or confirmed Bacillus	Operations Lansing
	Anthrax Vaccine Adsorbed	Biothrax	4/11/2014	anthracis exposure	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
68					
				For protection of donor organ	
				tissue from damage or injury	
				mediated by oxygen-derived free	
				radicals that are generated	
				during the necessary periods of	
				ischemia (hypoxia, anoxia), and	Dharasa 'a Chia
	S	. 1.	2/5/4005	especially reperfusion, associated	
69	Superoxide dismutase (human)	n/a	3/6/1985	with the operative procedure.	Partnership
69				For nulmanam, artarial	Dotor W. Stocknoolo
	sodium dichloroacetate	n/a	11/20/2010	For pulmonary arterial hypertension.	Peter W. Stackpoole, PhD, MD
70	socialii dicilioloacetate	II/ d	11/29/2010	inypertension.	DuPont Merck
/ /				For relief of severe intractable	Pharmaceutical
	Oxymorphone	Numorphan H.P.	3/19/1985	pain in narcotic-tolerant patients.	
71	exymet phone	Trainer prioritini i	3/13/1303	pain in nai cotte telerant patients.	Company
, _				For replacement therapy in	
				patients with congenital or	
				acquired protein C deficiency for	
		Protein C Concentrate		the prevention and treatment of	
		(Human) Vapor Heated,		warfarin-induced skin necrosis	Immuno Clinical
	Protein C concentrate	Immuno	6/19/1992	during oral anticoagulation.	Research Corp.
72					
				For reversing the anticoagulant	
				effect of direct or indirect factor	
				Xa inhibitors in patients	
				experiencing a serious	
				uncontrolled bleeding event or	
				who require urgent or emergent	Portola
	andexanet alfa	n/a	2/23/2015	surgery	Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
73				For scintigraphic detection,	
				localization and staging of	Brogan
	Iobenguane Sulfate I-123	Omaclear	10/17/2005	neuroblastoma.	Pharmaceuticals, LLC
74					
				For skin testing of victims of fire	
				ant stings to confirm fire ant	
				sensitivity and if positive, for use	
				as immunotherapy for the	
	Imported fire ant venom,			prevention of IgE-mediated	
	allergenic extract	n/a	5/12/1992	anaphylactic reactions.	ALK Laboratories, Inc.
75					
				0 - 0	Neuraltus
	sodium chlorite	n/a	8/22/2011	amyotrophic lateral sclerosis.	Pharmaceuticals, Inc.
76					
				For the attenuation or	
				amelioration of the long-term	
				neurological sequelae associated	
				with moderate and severe	
	dexanabinol	n/a	8/11/2004	traumatic brain injury	Pharmos Corporation
77					
				For the combination treatment	
				of Pneumocystis carinii	Jacobus
				pneumonia in conjunction with	Pharmaceutical
	Dapsone USP	Dapsone	1/8/1992	trimethoprim.	Company
78					
				For the concomitant	
				administration with fluorouracil	
	Interferon alfa-2a			for the treatment of advanced	Hoffmann-La Roche,
	(recombinant)	Roferon-A	5/14/1990	colorectal cancer.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
79	Interferon alfa-2a (recombinant)	Roferon-A	5/2/1990	For the concomitant administration with Teceleukin for the treatment of metastatic renal cell carcinoma.	Hoffmann-La Roche, Inc.
80	Fibrinogen (human)	n/a	8/23/1995	For the control of bleeding and prophylactic treatment of patients deficient in fibrinogen.	Alpha Therapeutic Corporation
81	iobenguane sulfate I-123	Omaclear		For the detection, localization, and staging of pheochromocytomas.	Brogan Pharmaceuticals, Inc.
82	fluciclovine (18F)(anti-1-amino- 3-fluorocyclobutane-1- carboxylic acid, labelled with Fluorine-18)	n/a	4/7/2015	For the diagnosis of glioma	Blue Earth Diagnostics Ltd.
83	[F18] florilglutamic acid	n/a		For the diagnosis of hepatocellular carcinoma	Piramal Imaging S.A.
84	Somatropin (rDNA)	Saizen	5/3/1989	For the enhancement of nitrogen retention in hospitalized patients suffering from severe burns.	EMD Serono, Inc.
85	Ananain, comosain	Vianain		For the enzymatic debridement of severe burns. For the identification of ovarian	Genzyme Corporation
	etarfolatide	n/a	2/16/2000	carcinomas	Endocyte, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
87				For the long-term treatment of	
				children who have growth failure	
				due to a lack of adequate	Valeant
	Growth hormone releasing			endogenous growth hormone	Pharmaceuticals
	factor	n/a	8/7/1989	secretion.	North America
88	liposomal ciprofloxacin plus			For the management of cystic	
	ciprofloxacin	n/a	6/1/2012	fibrosis	Aradigm Corporation
89					Galephar
		Nacystelyn Dry Powder		For the management of cystic	Pharmaceutical
	N-acetylcysteinate Lysine	Inhaler	12/27/2000		Research, Inc.
90				For the oral treatment of	
	octreotide (oral)	Octreolin(Tm)	6/17/2010	acromegaly	Chiasma, Inc.
91				For the photodynamic therapy of	
				patients with transitional cell	QLT
				carcinoma in situ of the urinary	Phototherapeutics,
	Porfimer sodium	Photofrin	11/15/1989	bladder.	Inc.
92					
				For the prevention and lessening	
				of photosensitivity in	Brigham and
	L-cysteine	n/a	5/16/1994	erythropoietic protoporphyria.	Women's Hospital
93				For the prevention of acute	
	methoxsalen	Uvadex	5/12/1994	rejection of cardiac allografts	Therakos, Inc.
94				For the prevention of graft-	
	talactoferrin alfa	n/a	8/20/2003	versus-host disease	Agennix, Inc.
95					
				For the prevention of hepatic	Jazz Pharmaceuticals,
	defibrotide	n/a	1/8/2007	veno-occlusive disease.	Inc.
96					
	Benzophenone-3,			For the prevention of visible light	
	octylmethoxycinnamate,			induced skin photosensitivity as a	
	avobenzone, titanium dioxide,			result of porfimer sodium	Fallien
	zinc oxide	Total Block VI Spf 75	8/13/2001	photodynamic therapy	Cosmeceuticals Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
97	Butyrylcholinesterase	n/a	3/25/1992		Shire Laboratories Inc.
98	Amifostine	Ethyol	11/24/1998	For the reduction of the incidence and severity of toxicities associated with cisplatin administration.	Clinigen Group plc
99	Exisulind	n/a		For the suppression and control of colonic adenomatous polyps in the inherited disease adenomatous polyposis coli.	OSI Pharmaceuticals,
100	Aminocaproic acid	Caprogel		For the topical treatment of traumatic hyphema of the eye.	Eastern Virginia Medical School
101	Aldesleukin	Proleukin	11/24/1998	For the treatment non-Hodgkin's	Prometheus Laboratories, Inc.
102	Autologous T Cells transduced with lentiviral vector containing a chimeric antigen receptor directed against CD19	n/a	1/31/2014	For the treatment of Acute Lymphoblastic Leukemia	Novartis Pharmaceuticals Corporation
103		Nicord	4/28/2014	For the treatment of acute myeloid leukemia	Gamida Cell Ltd
104	Menadione Sodium Bisulfite	n/a	5/14/2014	For the treatment of autosomal dominant polycystic kidney disease	IC-MedTech Corporation
105	Human plasma derived conagulation protein-Factor XI	n/a	4/30/2014	For the treatment of congenital Factor XI deficiency	Cambryn Biologics

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
106					
	N-[2,6-bis(1-				
	methylethyl)phenyl]-N'-[[1-[4-				
	(dimethylamino)phenyl]cyclop				
	entyl]methyl]urea,			For the treatment of Cushing's	Millendo
	hydrochloride salt	n/a	1/7/2015	Syndrome	Therapeutics, Inc.
107	p1-(uridine 5'-)-p4-(2'-				
	deoxycytidine 5'-)				
	tetraphosphate, tetrasodium			For the treatment of cystic	Inspire
	salt	n/a	3/7/2001	fibrosis	Pharmaceuticals, Inc.
108				For the Treatment of Dravet	
	fenfluramine HCI	Brabafen	12/20/2013	Syndrome	Zogenix, Inc.
109				For the treatment of graft versus	
	talactoferrin alfa	n/a	8/20/2003	host disease	Agennix, Inc.
110				For the treatment of	
	anti-interferon-gamma Fab			immunologic corneal allograft	Advanced Biotherapy,
	from goats	n/a	11/18/2003	rejection	Inc.
111					Angiogen
				For the treatment of maligant	Pharmaceuticals, Pty.
	Tranilast	Rizaben	12/2/2003	glioma	Ltd.
112					
				For the treatment of metastatic	
	Interferon alfa-2a			malignant melanoma in	Hoffmann-La Roche,
	(recombinant)	Roferon-A	5/11/1990	combination with Teceleukin.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
113	Adenoassociated virus vector (AAV) carrying a modified AAV serotype 2 backbone and coding sequence of human thymidine phosphorylase preceded by a human thyroxin-			For the treatment of Mitochondrial Neurogastrointestinal	Columbia University
	binding globulin promoter	n/a	9/4/2014	Encephalomyopathy (MNGIE)	Medical Center
114				For the treatment of patients in a vegetative state or minimally conscious state for up to 12 months following a severe traumatic brain injury (traumatic	NeuroHealing
	Apomorphine hydrochloride	n/a	5/23/2006	or spontaneous)	Pharmaceuticals, Inc.
115				For the treatment of pulmonary arterial hypertension in the absence of chronic obstructive pulmonary disease or congestive	Pfizer Global Research and
	Sitaxsentan Sodium	n/a	11/2/2004	heart failure.	Development
116	recombinant adeno- associated virus vector AAV2/rh8 expressing human B- hexosaminidase A and B subunits	n/a	3/25/2013	For the treatment of Sandhoff disease	Nat'l Tay-Sachs & Allied Diseases Association
117	allogeneic ex-vivo expanded placental adherent stromal cells	n/a	12/29/2015	For the treatment of severe preeclampsia	Pluristem Therapeutics, Inc

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
118					
	autologous CD34+				
	hematopoietic stem cells				
	transduced with LentiGlobin				
	BB305 lentiviral vector				
	encoding the human BA-T87Q-			For the treatment of Sickle Cell	
	globin gene	n/a	2/26/2014		bluebird bio Inc.
119				For therapeutic treatment of	Barth Sydrome
	bezafibrate	Bezalip	7/24/2013	Barth syndrome	Foundation, Inc.
120					
				For treatment of neurocognitive	
		,	0 /0 /0 00	symptoms associated with	Shire Human Genetic
	idursulfase IT	n/a	9/3/2009	Hunter Syndrome	Therapies
121				E	el.t
		/ -	0/40/2006	For treatment of pancreatic	Eleison
122	glufosfamide	n/a	9/18/2006	cancer.	Pharmaceuticals LLC
122				For treatment of nationts with	
				For treatment of patients with known or suspected internal	
				contamination with plutonium,	
	diethylenetriaminepentaaceta			americium or curium to increase	
	te (DPTA)	n/a	4/14/2004	the rates of elimination.	CIS-US
123	ite (DFTA)	ii/a	4/14/2004	the rates of elimination.	C13-03
123	potassium sodium			For treatment of poisoning by or	Castle Creek
	aluminosilicate	n/a	1/8/2007	exposure to cesium.	Pharmaceuticals, LLC
124	didiffillosificate	ii) w	1/0/2007	exposure to cesiam.	i narmaceaticals, LEC
'				For treatment of Sanfilippo	Shire Human Genetic
	sulfamidase	n/a	5/22/2008	Syndrome (MPS IIIA)	Therapies, Inc.
125		, ·	3, ==, =300		3.54.55,5.
	Chimeric monoclonal			For treatment of shiga-toxin	Thallion
	antibodies, c-alphaStx2	n/a	10/4/2005	producing bacterial infection	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
126				For use as a chemoprotective	
				agent for cisplatin in the	
				treatment of metastatic	
	Amifostine	Ethyol	5/30/1990	melanoma.	Clinigen Group plc
127				For use as a chemoprotective	
				agent for cyclophosphamide in	
			= /20 /4000	the treatment of advanced	
420	Amifostine	Ethyol	5/30/1990	ovarian carcinoma.	Clinigen Group plc
128				Fan	
				For use as a conditioning regimen	
				for patients with malignancies	
				undergoing autologous or allogenic hematopoietic stem cell	
	liposomal busulfan	Busulipo	6/24/2012	transplantation	Pharmalink AB
129	iiposoiiiai busuiiaii	busunpo	0/24/2013	transplantation	FIIdi IIIdili II AD
123				For use as a graft for restoring a	
				cornea-like epithelial phenotype	
				to substitute for the normal	
				corneal epithelium that is lost in	
	Bio-engineered oral mucosal			patients due to total limbal stem	
	tissue	n/a	4/27/2006	cell deficiency	TissueTech, Inc.
130			<u> </u>	·	·
				For use as a nutritional	
				supplement for the treatment of	
		Nutrineal (Peritoneal		malnourishment in patients	
	Dianeal peritoneal dialysis	Dialysis Solution With		undergoing continuous	Baxter Healthcare
	solution with 1.1% amino acids	1.1% Amino Acid	6/11/1992	ambulatory peritoneal dialysis.	Corporation
131				For use as a radioimmaging agent	
	monoclonal antibody 11-1F4	n/a	12/7/2009	in amyloidosis	Alan Solomon, M.D.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
132	Sterile Bicarbonate Infusate,			For use as a replacement	
	Hemofiltration,			solution in adults and children	
	Hemodiafiltration, and			during Continous Renal	
	Hemopdialysis Solution	Accusol	5/29/2009	Replacement Therapy	Nikkiso America, Inc.
133					
				For use as a therapeutic agent for	
	monoclonal antibody 11-1F4	n/a	12/11/2009	patients AL amyloidosis.	Alan Solomon, M.D.
134				For use as a wash for	
				hydrofluoric acid spills on human	
	Calcium gluconate	Calgonate	11/20/1997	skin.	Calgonate Corp.
135					
				For use as an adjuct to surgery,	
				radiation therapy and	
				chemotherapy for the treatment	
				of patients with primary or	Elan Drug Delivery,
	Sodium phenylbutyrate	n/a	4/24/1998	recurrent malignant glioma.	Inc.
136					
				For use as an adjunct to cytokine	
				therapy in the treatment of	
	Histamine	Maxamine	2/1/2000	malignant melanoma.	EpiCept Corporation
137				For use as an adjunct to	
				microsurgical peripheral nerve	Neuromuscular
	Leupeptin	n/a	9/18/1990	repair.	Adjuncts, Inc.
138					
				For use as an adjunct to surgery,	
				radiation therapy and	
				chemotherapy for the treatment	
				of patients with primary or	Elan Drug Delivery,
	Phenylacetate	n/a	3/6/1998	recurrent malignant glioma.	Inc.
139	Dextran sulfate (inhaled,			For use as an adjunct to the	Kennedy & Hoidal,
	aerosolized)	Uendex	10/5/1990	treatment of cystic fibrosis.	M.D.'s

140				For use as an anticoagulant in	
				· ·	
				patients with or at risk of heparin-	
				induced	
				thrombocytopenia/heparin-	
				induced thrombocytopenia	The Medicines
	pivalirudin	Angiomax	11/2/2005	thrombosis syndrome	Company
141					
				For use as chronic enzyme	
				replacement therapy in patients	
			10/0/1000		National Institute of
	PEG-glucocerebrosidase	Lysodase	12/9/1992	deficient in glucocerebrosidase.	Mental Health, NIH
142				F	
				For use as enzyme replacement	
	Recombinant retroviral vector -	. 1-		therapy for patients with types I,	Constitution to
- J	glucocerebrosidase	n/a	11/15/1993	II, or III Gaucher disease.	Genetic Therapy, Inc.
143				For use as local administration at	
				the time of curative surgery in	
n	paclitaxel-coated buttress	n/a		the treatment of stage 0 to III non-small cell lung cancer.	AcuityBio, Inc.
144	Jaciitaxei-coateu buttiess	II/ d	7/15/2014	non-small cell lung cancer.	Acuitybio, ilic.
144				For use as physiologic	
				testosterone replacement in	
		Theraderm Testosterone		androgen deficient HIV+ patients	
		Transdermal System		with an associated weight loss.	Watson Laboratories
145	estostel OHE	Transuctinal System	3/22/133/	with all associated weight 1055.	vvatson Laboratories
140				For use as preparative therapy	
					Sparta
R	Busulfan	Spartaject		bone marrow transplantation.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
146				For use in ABO-incompatible	
				solid organ transplantation,	
				including kidney, heart, liver and	
	Trisaccharides A and B	Biosynject	4/20/1987	pancreas.	Chembiomed, Ltd.
147				For use in accelerating platelet	
				recovery in patients undergoing	
	Recombinant human			hematopoietic stem cell	
	thrombopoietin	n/a	9/29/1997	transplantation.	Genentech, Inc.
148	Iodine 131 6B-iodomethyl-19-			For use in adrenal cortical	
	norcholesterol	n/a	8/1/1984	imaging.	David E. Kuhl, M.D.
149					
	Sodium			For use in boron neutron capture	Neutron Technology
	Monomercaptoundecahydro-			therapy (BNCT) in the treatment	Corp.& Neutron R&D
	closo-dodecaborate	Borocell	4/15/1992	of glioblastoma multiforme.	Partner
150					
				For use in children as a	
				modulator of chemotherapy for	USC-CHLA Institute
				the treatment of pediatric	for Pediatric Clinical
	Buthionine sulfoxamine	n/a	10/5/2005	patients with neuroblastoma	Research
151					
	sodium sulfate, potassium				
	sulfate, and magnesium				
	sulfate; PEG-3350, sodium			For use in cleansing of the colon	
	chloride, sodium bicarbonate			in preparation for colonoscopy in	
	and potassium chloride	Suclear	9/4/2013	children and adolescents	Laboratories, Inc.
152					
				For use in combination with 5-	
	(6R,S)5,10-methylene-			fluorouracil for the treatment of	Adventrx
	tetrahydrofolic acid	Cofactor	8/13/2004	patients with pancreatic cancer	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
153				For use in combination with	
				antimicrobial drugs for the	
				treatment of drug resistant	Abela
	dimethyl sulfoxide	n/a	5/9/2008	tuberculosis	Pharmaceuticals, Inc.
154					
	H-(D)p-Benzoylphenylalanyl-				
	(D)seryl-(D)tryptophanyl-				
	(D)seryl-				
	(D)pentafluorophenylalanyl-				
	(D)cyclohexylalanyl-(D)arginyl-			For use in combination with	
	(D)arginyl-(D)arginyl-			cisplatin and pemetrexed for the	
	(D)glutaminyl-(D)arginyl-	,	40/00/0044	treatment of patients with	CanBas Company,
455	(D)arginine acetate salt	n/a	12/22/2011	mesothelioma	Ltd.
155				For use in combination with	
				clindamycin hydrochloride in the	
				treatment of Pneumocystis	
	Primaquine phosphate	n/a	7/23/1993	carinii pneumonia associated	Sanofi Winthrop, Inc.
156	Filliaquille pilospilate	II/ d	7/23/1993	WITH AIDS.	Sanon wintinop, inc.
130				For use in combination with	
	Interferon alfa-2a				Hoffmann-La Roche,
	(recombinant)	Roferon-A	10/27/1989	esophageal carcinoma.	Inc.
157	(1.000		10,2,,1303	For use in combination with	
137				interferon alpha-2a,	
				recombinant, for the treatment	
				of advanced colorectal	Hoffmann-La Roche,
	Fluorouracil	n/a	4/18/1990	carcinoma.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
158				For use in combination with	
				interferon alpha-2a,	
				recombinant, for the treatment	Hoffmann-La Roche,
	Fluorouracil	n/a	10/27/1989	of esophageal carcinoma.	Inc.
159					
				For use in combination with levo-	
				thyroxine to suppress thyroid	
				stimulating hormone in patients	
				with well-differentiated thyroid	
				cancer who are intolerant to	
			- 4 4	adequate doses of levo-thyroxine	
	Tiratricol	Triacana	8/13/1991		Laphal Laboratoires
160				For use in combination with	
		,		paclitaxel in the treatment of	
	bryostatin-1	n/a	12/3/2001	esophageal cancer	GPC Biotech, Inc.
161					
				For use in conjunction with	
				diagnostic procedures (excluding	
				/ '	Innovate
			0/40/2006	increase pancreatic fluid	Biopharmaceuticals,
162	Synthetic human secretin	n/a	9/18/2006	secretion	Inc.
162				For use in conjunction with	
				For use in conjunction with	
				diagnostic, therapeutic, or	
				combined diagnostic/therapeutic	
				procedures for pancreatic	
	Synthotic human coeratic	 n / n	2/7/2000	disorders to increase pancreatic	ChiDhaClin Inc
<u></u>	Synthetic human secretin	n/a	3///2000	fluid secretion.	ChiRhoClin, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
163					
				For use in conjunction with	
				ganciclovir sodium for the	
				treatment of cytomegalovirus	
	Cytomegalovirus immune			pneumonia in bone marrow	
	globulin intravenous (human)	n/a	1/28/1991	transplant patients.	Bayer Corporation
164				For use in conjunction with	
				melphalen for the treatment of	
				malignant melanoma, AJCC	Adherex
	Cys-His-Ala-Val-Cys	n/a	2/14/2008	stages IIB, IIC, III and IV	Technologies, Inc.
165					
				For use in conjunction with the	
				UVAR photopheresis system to	
	Methoxsalen	Uvadex	10/14/1998	treat graft versus host disease.	Therakos, Inc.
166					
				For use in conjunction with the	
				UVAR photopheresis to treat	
	8-methoxsalen	Uvadex	6/22/1993	diffuse systemic sclerosis.	Therakos, Inc.
167					
				For use in conjunction with	
				whole brain radiation for the	
				treatment of brain metastases	
	motexafin gadolinium	Xcytrin	1/27/2003	arising from solid tumors	Pharmacyclics, LLC
168				For use in corneal melting	
				syndromes of known or	
				presumed immunologic	
	cyclosporine 2% ophthalmic			etiopathogenesis, including	
	ointment	n/a	8/1/1991	Mooren's ulcer	Allergan, Inc.
169				For use in correcting	
	Chondrocyte-alginate gel			vesicoureteral reflux in the	
	suspension	n/a	12/1/1997	pediatric population.	Curis, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
170	Trisodium citrate			For use in leukapheresis	Hemotec Medical
	concentration	Hemocitrate	6/15/1995	procedures.	Products, Inc.
171	ferumoxytol	n/a	10/7/2011	For use in magnetic resonance imaging in brain metastases	Oregon Health & Science University
172				For use in magnetic resonance imaging to assess, and monitor treatment of solid tumor malignancies previously diagnosed in pediatric patients	
	ferumoxytol	n/a	4/6/2012	(age 16 years and younger)	ArsNova Partners, LLC
173	ferumoxytol	Feraheme	4/29/2011	For use in MR imaging for the mangement of brain tumors	Edward A. Neuwelt, MD
174	Synthetic human secretin	n/a		For use in obtaining desquamated pancreatic cells for cytopathologic examination in pancreatic carcinoma.	ChiRhoClin, Inc.
175	Synthetic porcine secretin	n/a		For use in obtaining desquamated pancreatic cells for cytopathologic examination in pancreatic carcinoma.	ChiRhoClin, Inc.
176	brilliant blue G	Brilliant Peel	12/16/2009	For use in ophthalmic surgery to aid in the removal of the inner limiting membrane of the eye.	Fluron GmbH - Subsidiary of Geuder AG

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
177	tetra substituted prophyrin derivative containing manganese (III)	n/a		For use in patients exposed to radiation following a nuclear accident or detonation in order to treat or mitigate acute radiation syndrome.	Aeolus Pharmaceuticals, Inc.
178				·	
179	Cells produced using the AastromReplicelle System and SC-I Therapy Kit	n/a	7/10/2002	For use in patients receiving high dose chemotherapy who are unable to generate an acceptable dose of peripheral blood stem cells and who have a sufficient bone marrow aspirate without morphological evidence of tumor For use in patients with pneumonia or aspiration of gastric contents leading to intubation, mechanical ventilation, and severe oxygen	Aastrom Biosciences Incorporated
	rSP-C surfactant	Venticute		impairment	Altana Pharma
180	Cytomegalovirus DNA Vaccine w/Copolymer/Benzalkonium Chloride	n/a		For use in prevention of clinically significant CMV viremia, CMV disease and associated complications in at-risk hematopoietic cell transplant and solid organ transplant populations	Vical Inc.
181	Gilloriuc	ii) u		For use in pulmonary arterial	Sam Amer &
	iferanserin (S-MPEC)	n/a	12/13/2010	hypertension.	Company, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
182	Chlorhexidine gluconate mouthrinse	Peridex	9/19/1096	For use in the amelioration of oral mucositis associated with cytoreductive therapy used in conditioning patients for bone marrow transplantation therapy.	Procter & Gamble Company
183	Mycobacterium avium sensitin	n/a	10/11/1995	For use in the diagnosis of invasive Mycobacterium avium disease in immunocompetent	Statens Seruminstitut
184	Calcium gluconate gel	H-F Gel	5/21/1991	For use in the emergency topical treatment of hydrogen fluoride (hydrofluoric acid) burns.	Calgonate Corporation
185	Synthetic human secretin	n/a	6/16/1999	For use in the evaluation of exocrine pancreas function.	ChiRhoClin, Inc.
186	Hu1D10, humanized monoclonal antibody	Remitogen	11/28/2001	For use in the treatment of 1D10+ B cell non-Hodgkin's lymphoma	PDL BioPharma, Inc.
187	ataluren	n/a		For use in the treatment of cystic fibrosis resulting fron a nonsense (premature stopcodon) mutation in the cystic bibrosis transmembrane conductance regulatory gene	PTC Therapeutics, Inc.
188	Mannitol	Bronchitol	2/11/2005	For use to facilitate clearance of mucus in patients with bronchiectasis and in patients with cystic fibrosis at risk for bronchiectasis	Pharmaxis Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
189					
	N-(4-Fluoro-benzoyl)-L-arginyl- L-arginyl-[L-3-(naphthyl-alanyl]- L-cysteinyl-L-tyrosyl-L- citrullinyl-L-lysyl-D-lysyl-L- prolyl-L-trosyl-L-arginyl-L- citrullinyl-L-cysteinyl-L-aginine			For use to mobilize hematopoietic stem cells (HSCs) from the marrow to peripheral blood for collection for autologous or allogeneic	
	amide, cyclic (4-13)-disulfide	n/a	7/6/2012	transplantation	BioLineRx, Ltd.
190	hematopoietic stem and progenitor cells expanded exvivo with a low molecular weight aryl hydrocarbon receptor (AHR) antagonist	n/a	8/27/2014	Hematopoietic support in patients with acute lymphoblastic leukemia (ALL)	Novartis Pharmaceuticals Corporation
191	Artesunate	n/a	3/28/2006	Immediate treatment of malaria	US Army Medical Materiel Development Activity
192				Immune tolerance induction in hemophilia A patients with	OCTAPHARMA USA,
	human coagulation factor VIII	Octanate	12/3/2012	inhibitors	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
193					
	Allogeneic T-cells cultured with				
	anti-CD3 and IL-2; transduced				
	with retroviral vector (SFCMM-				
	3), expressing herpes simplex 1 virus-thymidine kinase (HSV-			Immunotherany for accoloration	
	TK) and truncated low affinity			Immunotherapy for acceleration of T-cell reconstitution in	
	nerve growth factor receptor;			patients undergoing allogeneic	
	selected with anti-low affinity			hematopoietic stem cell	
	nerve gro	n/a	1/28/2005	transplantation	MolMed S.p.A.
194				la combination who a plating	
				In combination with a platinum and 5-FU or capecitabine for the	
	bevacizumab	Avastin	11/20/2009	treatment of stomach cancer.	Genentech, Inc.
195					
				In combination with interferon	
	lated and in 2	Tanalaulia	E /11 /1000	alfa-2a for the treatment of	Hoffmann-La Roche,
196	Interleukin-2	Teceleukin	5/11/1990	metastatic malignant melanoma.	Inc.
150				In combination with interferon	
				alfa-2a for the treatment of	Hoffmann-La Roche,
	Interleukin-2	Teceleukin	5/3/1990	metastatic renal cell carcinoma.	Inc.
197					
				Induction treatment to prevent rejection and to minimize	
				maintenance immunosupression	
	Rabbit anti-human thymocyte			in pediatric liver transplant	Children's Hospital of
	globulin (rATG)	Thymoglobulin	9/26/2006	recipients	Pittsburgh

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
198				Inhalation therapy for the	
				treatment of congential	
	Alpha1-Proteinase Inhibitor			deficiency of alpha1-proteinase	
	(Human)	n/a	12/22/2004	inhibitor.	Kamada Ltd.
199					
				Initial therapy of toxoplasmosis	
	Poloxamer 331	Protox	3/21/1991	in patients with AIDS.	CytRx Corporation
200					
	Adeno-associated viral vector			Intrahepatic treatment of	
	containing the gene for human			patients with moderate to severe	
	coagulation factor IX	Coagulin-B	6/13/2001	hemophilia	Avigen, Inc.
201					
	Adeno-associated viral vector			Intramuscular treatment of	
	containing the gene for human		- 4 - 4	patients with moderate to severe	
	coagulation factor IX	Coagulin-B	6/13/2001	hemophilia	Avigen, Inc.
202					
				Intraoperative aid in the	
		Filmix Neurosonographic		identification and localization of	
	Microbubble contrast agent	Contrast Agent	11/16/1990	intracranial tumors.	Cav-Con, Inc.
203		,		Intraperitoneal treatment of	
	Floxuridine, FUDR	n/a	12/22/2004	gastric cancer.	Franco Muggia, M.D.
204		,	- / /	Intrathecal treatment of	
	Elcatonin	n/a	9/25/1995	intractable pain.	Innapharma, Inc.
205				Intrathecal treatment of	
		,	_ /_ /	neuropathic pain associated with	
	Contulakin-G	n/a	7/7/2005	spinal cord injury	Cognetix, Inc.
206					
	1			Intratumoral treatment of	
	adenoviral vector expressing			anatomically accessible oral and	
	the E.coli purine nucleoside			pharyngeal cancers (lip, tongue,	
	phosphorylase gene and		- 1- 1	gum, floor of mouth, salivary	PNP Therapeutics,
	fludarabine	n/a	6/8/2015	gland, and other oral cavity)	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
207				Intravenous treatment of	
				patients presenting with	
		Mucomyst/Mucomyst 10		moderate to severe	Bristol-Myers Squibb
	Acetylcysteine	lv	8/13/1987	acetaminophen overdose.	Company
208				Long-term enzyme replacement	
	l., , , , , , ,		6 /20 / 4 0 0 0	therapy for the treatment of	Shire Human Genetic
200	Alpha-galactosidase A	Replagal	6/22/1998	Fabry disease	Therapies, Inc.
209				Long-term treatment of acute	
				deep vein trombosis with or	
				without pulmonary embolism in	
	Reviparin sodium	Clivarine	6/18/2001	pregnant patients	Abbott
210					
				Management of acute repetitive	Neurelis
	diazepam (intranasal)	n/a	11/16/2015	seizures.	Pharmaceuticals, Inc.
211	Liposomal ciprofloxacin for		40/07/000		
242	inhalation	n/a	12/2//2006	Management of bronchiectasis	Aradigm Corporation
212	Liposomal ciprofloxacin for		4/40/2006		Anadiana Camaanatian
213	inhalation	n/a	4/19/2006	Management of cystic fibrosis	Aradigm Corporation
213				Management of cystic fibrosis	
				patients to improve airway	N30
				clearance and to improve or	PHARMAceuticals,
	S-nitrosoglutathione	n/a	5/12/2009	stabilize pulmonary function	LLC
214	2		3, 12, 2303	- Land Control of the	
				Management of cystic fibrosis	
				patients with Pseudomonas	
	amikacin sulfate	n/a	1/5/2015	aeruginosa lung infections	PlumeStars s.r.l.
215	68G-OPS202, small			Management of	
	somatostatin analog labeled			gastroenteropancreatic	OctreoPharm
	with 68Gallium	n/a	9/24/2014	neuroendocrine tumors.	Sciences GmbH

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
216					
				Management of patients with	Acorda Therapeutics,
	diazepam (intranasal)	n/a	7/31/2012	acute repetitive seizures	Inc.
217				Management of patients with	
	carisbamate	n/a	3/16/2012	infantile spasms	SK Life Science, Inc.
218				Management of postherpetic	
	Alfentanil	n/a	7/8/2005		Cinergen, LLC
219				Management of postherpetic	TheraQuest
	Tramadol hydrochloride	n/a	4/26/2005	neuralgia	Biosciences, LLC
220				Management of pulmonary	
				infection due to Pseudomonas	
		Ciprofloxacin		aeruginosa in cystic fibrosis	Bayer HealthCare
	ciprofloxacin DPI	Pulmosphere(R)	2/2/2010		Pharmaceuticals, Inc.
221				Management of selected,	
				refractory patients with epilepsy	
				on stable regimens of	
				antiepileptic drugs, who require	
				intermittent use of diazepam to	Meridian Medical
				control bouts of increased	Technologies-a Pfizer
	diazepam auto-injector	n/a	5/30/2013	seizure activity	subsidiary
222					
				Management of symptoms of	
				carcinoid syndrome associated	Lexicon
	telotristat etiprate	n/a	3/9/2012	with carcinoid tumor	Pharmaceuticals, Inc.
223	Recombinant AAV9 expressing				
	human alpha-N-			Mucopolysaccharidosis III-B	Abeona Therapeutics
	acetylglucosaminidase	n/a	4/30/2014	(Sanfilippo Syndrome Type B)	LLC
224					
				Neoadjuvant therapy in patients	
	human leukocyte-derived			with squamous cell carcinoma of	
	cytokine mixture	n/a	7/7/2005	the head and neck	IRX Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
225	leukocyte interleukin	Multikine		Neoadjuvant therapy in patients with squamous cell carcinoma of the head and neck	CEL-SCI Corporation
226	Temoporfin	Foscan	10/28/1999	Palliative treatment of recurrent, refractory or second primary squamous cell carcinomas of the head and neck in patients considered to be incurable with surgery or radiotherapy.	Biolitec Pharma Ireland Ltd.
227	(6-[4-Deoxy-4-[(2E,4E)- tetradecadienoy g ycyl] amino- L-g yceroB-L-manno- heptopyranosyl]amino-9H- purine)	n/a	2/21/2014	Parenteral treatment of painful, chronic, chemotherapy-induced peripheral neuropathy that is refractory to conventional analgesics	DARA BioSciences, Inc.
228	tecovirimat	n/a	12/18/2006	post exposure prophylaxis against smallpox	SIGA Technologies, Inc.
229	Mixture of 2 anti-rabies humanized monoclonal immunoglobulin (Ig)G1k antibodies	n/a		Post-exposure prophylaxis against rabies virus infection	Synermore Biologics Co., Ltd
230	busulfan	Partaject	11/25/2002	Preparative therapy for pediatric patients undergoing bone marrow transplantation	SuperGen, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
231	Antithrombin III human	Antithrombin lii Human	1/2/1986	Preventing or arresting episodes of thrombosis in patients with congenital AT-III deficiency and/or to prevent the occurrence of thrombosis in patients with AT-III deficiency who have undergone trauma or who are about to undergo surgery or parturition.	
232	A TRICKIN OTHER THE TRACK	7 WILLIAM OF THE THE THE THE THE	1/2/1300	partantion	nea cross
	Human monoclonal antibody inhibitor of mannan-binding lectin-associated serine protease-2 (MASP-2)	n/a	12/16/2013	Prevention (inhibition) of complement-mediated thrombotic microangiopathy	Omeros Corporation
233	allogeneic hematopoietic stem	Atir		Prevention (reduction) of transplant related mortality (TRM, which is caused by graft versus host disease and/or infections) following mismatched (haploidentical) allogeneic hematopoietic stem cell transplantation.	Kiadis Pharma Netherlands B.V.
234					
	Recombinant humanized MAb 5c8	n/a	10/14/1998	Prevention and treatment of Factor VIII/Factor IX inhibitors in patients with hemophilia A or B.	Biogen, Inc.
235	Interleukin-1 receptor antagonist, human recombinant	Antril	10/16/1992	Prevention and treatment of graft versus host disease in transplant recipients.	Swedish Orphan Biovitrum AB (publ) (SOBI)

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
236					National Institute of
				Prevention and treatment of	Diabetes, and
	Alpha-melanocyte stimulating			intrinsic acute renal failure due	Digestive and Kidney
	hormone	n/a	8/19/1997	to ischemia.	Diseases
237					
				Prevention and treatment of	
	Heparin-binding epidermal			necrotizing enterocolitis (NEC) in	
	growth factor-like growth			preterm infants with birth weight	Trillium Therapeutics,
	factor	n/a	9/18/2006	less than 1,500 grams	Inc.
238				Prevention and treatment of	
	Dipalmitoylphosphatidylcholin			neonatal respiratory distress	
	e /phosphatidylglycerol	Alec	7/28/1988	syndrome.	Forum Products, Inc.
239					
				Prevention and/or treatment of	
			- / /		Alan L. Buchman, MD,
2.10	Choline chloride	Intrachol	//20/2006	long-term parenteral nutrition	MSPH
240					
	Danasahinasah basasa 61			Prevention and/or treatment of	
	Recombinant human C1 inhibitor	n /o	6/0/2006	delayed graft function after solid	Dharming Croup NIV
241	innibitor	n/a	6/9/2006	organ transplantation	Pharming Group N.V.
241				Prevention of ABO medical	
				hemolytic reactions arising from	
				ABO-incompatible bone marrow	
	Trisaccharides A and B	Biosynject	A/15/1988	transplantation.	Chembiomed, Ltd.
242	THISACCHARIACS A ARIA D	Diosynject	7/ 13/ 1300	transplantation.	chembionica, Eta.
				Prevention of access graft	Miravant Medical
	tin ethyl etiopurpurin	n/a	11/4/2003	disease in hemodialysis patients	Technologies
243	20.7. 20.252.152.111	- 1	11, 1, 2303	and the state of t	
3				Prevention of acute and chronic	
				rejection in patients who have	Williams, MD, James
	Leflunomide	n/a	10/18/1996	· ·	W.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
244	3-[2-(4-carbamimidoyl-				
	phenylcarbamoyl)-5-methoxy-				
	4-vinyl-phenyl]-6-				
	(cyclopropylmethyl-			Prevention of acute attacks of	D: 0 .
	carbamoyl)-pyridine-2-	/ a	42/22/2044	angioedema in individuals with	BioCryst
245	carboxylic acid	n/a	12/23/2014	hereditary angioedema	Pharmaceuticals, Inc.
245				Prevention of acute graft-vs-host	Haffmann Ia Dacha
	Humanized anti-tac	Zananay	2/5/1002	disease following bone marrow transplantation.	Hoffmann-La Roche, Inc.
246	5,7-dihydroxy-3-(4-	Zenapax	3/3/1993	transplantation.	IIIC.
240	hydroxyphenyl)-chromen-4-			Prevention of acute radiation	Humanetics
	invaroxyphenyij-ciliomen-4-	n/a	6/18/2007		Corporation
247	one	iiy a	0/18/2007	Prevention of acute radiation	Onconova
247	recilisib sodium	Ex-Rad(R)	6/1/2012	syndrome	Therapeutics, Inc.
248			0, 2, 2022		merapearies, mer
	(2Z)-2-cyano-3-3hydroxy-N-[4-			Prevention of acute rejection	
	(trifluoromethly)phenyl]-2-			following kidney, heart, and liver	Fujisawa Healthcare,
	hepten-6-ynamide	Fk778	1/10/2005	transplantation	Inc.
249				·	
	immunoglobulin G degrading			Prevention of antibody mediated	
	enzyme of Streptococcus			organ rejection in solid organ	
	pyogenes	n/a	9/10/2015	transplant patients.	Hansa Medical AB
250					
				Prevention of arteriovenous	
				fistula and arteriovenous graft	
				failure in patients with chronic	
				kidney disease (CKD) who are	
	recombinant human type I			receiving hemodialysis or	Proteon
	pancreatic elastase	n/a	4/3/2009	preparing for hemodialysis	Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
251				Prevention of arteriovenous	
				fistula or arteriovenous graft	
				failure in patients with end satge	
	Allogeneic human aortic			renal disease receiving	
	endothelial cells cultured in a			hemodialysis or preparing for	
	porcine gelatin matrix	Vascugel (R)	4/3/2009	hemodialysis	Shire
252					
				Prevention of arteriovenous(AV)	
				fistula or AV graft failure in	
				patients with end stage renal	
	sirolimus in an implantable			disease, receiving hemodialysis	Vascular Therapies,
	collagen matrix	Coll-R, Sirogen	5/10/2012	or preparing for hemodialysis	LLC
253					
	Coagulation factor VIIa			Prevention of bleeding episodes	
	(recombinant)	Novoseven	6/18/2004		Novo Nordisk, Inc.
254	liposomal cyclosporine for			Prevention of bronchiolitis	
	inhalation	n/a	6/24/2008	obliterans.	PARI Pharma GmbH
255	human umbilical cord blood-				
	derived mesenchymal stem			Prevention of bronchopulmonary	MEDIPOST America,
	cells	Pneumostem	11/26/2013	dysplasia	Inc.
256					
	Recombinant human alpha 1-			Prevention of bronchopulmonary	
	, .	n/a	4/28/2005	, ,	Pharmaceuticals, Inc.
257	recombinant human surfactant			Prevention of bronchopulmonary	· ·
	protein D	n/a	6/23/2014	dysplasia	LLC
258					
				Prevention of bronchopulmonary	
	Lucinactant	Surfaxin	5/23/2006	dysplasia in premature infants	Therapeutics, Inc.
259					
			- 4- 4	Prevention of bronchopulmonary	• •
	Retinol palmitate	n/a	8/8/2016	dysplasia.	Novak, DVM, MSc

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
260					
		,	-1	Prevention of bronchopulmonary	•
264	vitamin A palmitate	n/a	7/14/2015	dysplasia.	Inc.
261	 Water-miscible vitamin A			Prevention of bronchopulmonary	
	palmitate	Aquasol A Parenteral	3/26/2010		Fox Pharma, Inc.
262	paiiiitate	Aquasor A Parenteral	3/20/2010	Prevention of burn injury	FOX FIIdillia, IIIC.
202				progression of acute, deep	
				dermal burns in hospitalized	NeoMatrix
	Fibronectin Peptide	n/a	6/29/2011	·	Therapeutics, Inc.
263	·				•
				Prevention of cardiomyopathy	
				for chilren and adolescents 0	
				through 16 years of age treated	
	dexrazoxane hydrochloride	n/a	8/19/2014	•	Satiscor, LLC
264				Prevention of chemotherapy-	
				induced nausea and vomiting due	
				to highly emetogenic	
				chemotherapy in pediatric	
	ondansetron inhalation	I.a.	10/11/2015	patients (0 through 16 years of	Luxena
265	powder	n/a	10/14/2015	age).	Pharmaceuticals, Inc.
203				Prevention of chronic, severe	
				·	Xeris
	glucagon infusion	G-Pump (Tm)	9/25/2014	congential hyperinsulinism	Pharmaceuticals, Inc.
266	[6.4.4.63.1	- · · · · · · · · · · · · · · · · · · ·	5, 25, 2011		The state of the s
				Prevention of clinically significant	
				cytomegalovirus (CMV) viremia,	
				CMV disease and associated	
	Cytomegalovirus DNA vaccine			complications in at-risk	Astellas Pharma
	with plasmids expressing pp65			hematopoietic cell transplant	Global Development,
	and gB genes	n/a	6/3/2005	and solid transplant populations	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
267					
				Prevention of complications due	-
		T 4	40/24/2000	to neointimal hyperplasia disease	
260	taberminogene vadenovec	Trinam	10/24/2000	in certain vascular anastomoses.	Therapies, Ltd.
268				Dreventies of consenited	
				Prevention of congenital	Diatast
	Human sutamagalavirus			cytomegalovirus (CMV) infection following primary CMV infection	Biotest Pharmaceuticals
	Human cytomegalovirus immunoglobulin	n/2	12/20/2006	in pregnant women	Corporation
269	IIIIIIuiiogiobuiii	n/a	12/20/2006	Prevention of corneal graft	Corporation
209	cyclosporine A	n/a	9/30/2008	<u> </u>	Santen SAS
270	Cyclosporitie A	li/a	9/30/2008	Prevention of corneal sub-	Santen SAS
270				epithelial haze formation	
				following surface ablation laser	Mobius Therapeutics,
	mitomycin	n/a	6/1/2011	keratectomy	LLC
271	Internyeni	in/ u	0/1/2011	Refuteetomy	
2,1				Prevention of cystine kidney	
				stone formation in patients with	
				homozygous cystinuria who are	
	Succimer	Chemet	11/5/1990		Sanofi Winthrop, Inc.
272					, ,
				Prevention of cytomegalovirus	
				viremia and disease in the	Shire ViroPharma,
	maribavir	n/a	2/1/2007	populations at risk.	Inc.
273					
				Prevention of death following a	
				potentially lethal dose of total	
	beclomethasone 17,21-			body irradiation during or after a	
	dipropionate	n/a	11/19/2012	radiation disaster	Soligenix, Inc

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
274					
				Prevention of death following a	
				potentially lethal dose of total	
	FliC Flagellin Deletion Variant			body irradiation during or after a	Cleveland BioLabs,
	TLR5 Agonist	n/a	11/23/2010	radiation disaster	Inc.
275				Prevention of delayed graft	
				function after renal	Alexion
	eculizumab	Soliris	1/10/2014	transplantation	Pharmaceuticals, Inc.
276				Prevention of delayed graft	
				function after solid organ	ProtAffin
	glycafilin	n/a	8/22/2008	transplantation	Biotechnologie AG
277	L-pyr-L-glu-L-gln-L-leu-L-glu-L-			Prevention of delayed graft	
	arg-L-ala-L-leu-L-asn-L-ser-L-			function following renal	Araim
	ser	n/a	9/18/2009	transplant	Pharmaceuticals, Inc.
278				Prevention of delayed graft	
	Recombinant P-Selectin			function in renal transplant	
	glycoprotein ligand	n/a	3/29/2006	patients	Y's Therapeutics, Inc.
279					
				Prevention of delayed graft	
	reparixin	n/a	1/27/2003	function in solid organ transplant	Dompe S.p.A.
280				Prevention of dental caries due	
				to radiation-induced xerostomia	
	Intraoral fluoride releasing			in patients with head and neck	
	system	Ifrs	7/31/2001		Digestive Care, Inc.
281			, , , , ,		<u> </u>
	lactic acid bacteria				
	(Lactobacilli, Bifidobacteria,			Prevention of disease relapse in	VSL Pharmaceuticals,
	and Streptococcus species)	n/a	1/15/2002	patients with chronic pouchitis	Inc.
282			_, _, _, _		
				Prevention of early postoperative	
				complications following	
	vapreotide	Octastatin	0 /5 /2000	pancreatic resection.	Debiopharm S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
283					
	human platelet antigen-1a			Prevention of fetal and neonatal	
	immunoglobulin (anti-HPA-1a)	Tromplate	6/27/2013	alloimmune thrombocytopenia	Prophylix Pharma AS
284					
	beclomethasone 17,21-			Prevention of gastrointestinal	
	dipropionate	Bec	8/28/2001	graft-versus-host disease	Soligenix, Inc.
285					
				Prevention of graft loss in	
	reparixin	n/a	9/25/2012	pancreatic islet transplantation	Dompe S.p.A.
286				Prevention of graft rejection	
	low molecular weight dextran			during pancreatic islet	
	sulfate	Ibsolvmir	10/20/2009	transplantation	TikoMed AB
287	autologous			Prevention of graft rejection	
	CD4+CD25hiFoxP3+regulatory			following solid organ	
	T cells	n/a	11/19/2013	transplantation	iREG Medical AB
288				Prevention of graft rejection	
	ex vivo cultured human			following solid organ	
	mesenchymal stromal cells	n/a	5/8/2014	transplantation	iCell Science AB
289	cell based therapeutic				
	composed of allogeneic donor			Prevention of graft versus host	Enlivex Therapeutics
	apoptotic cells	Apocell	3/18/2013	disease	Ltd.
290	anti-T-lymphocyte immune			Prevention of graft versus host	Neovii Biotech NA,
	globulin, rabbit	Atg-Fresenius(R)	3/26/2010	disease (GVHD)	Inc.
291				Prevention of Graft versus Host	
	cannabidiol	n/a	7/14/2015	Disease (GVHD).	Talent biotechs Ltd.
292				Prevention of graft versus host	
				disease following allogeneic	Accentia
				hematopoietic stem cell	Biopharmaceuticals,
	cyclophosphamide	Cyrevia(Tm)	6/17/2011	transplant	Inc.

294 Th	halidomide	n/a n/a	10/6/2015 3/5/1990	disease. Prevention of graft versus host	Novartis Pharmaceuticals Corporation Andrulis Research
294 Th	henylmethoxy) phenyl] nio]phenyl]ethyl]1,3- ropanediol hydrochloride halidomide			disease. Prevention of graft versus host	Pharmaceuticals Corporation
294 Th 295	nio]phenyl]ethyl]1,3- ropanediol hydrochloride halidomide			disease. Prevention of graft versus host	Pharmaceuticals Corporation
294 Th	ropanediol hydrochloride halidomide			disease. Prevention of graft versus host	Corporation
294 Th	halidomide			Prevention of graft versus host	
295 ve		n/a	3/5/1990	l	/ trial allo rescarell
295 ve		.,,	3/3/2333	ioisease.	Corporation
ve	edolizumab			allocation.	Corporation
	edolizumab			Prevention of graft versus host	Millennium
296 lip		n/a	8/4/2016	-	Pharmaceuticals, Inc.
	oosomal Ã}±-	Lip. Alpha		Prevention of graft-versus-host	REGIMMUNE
ga	alactosylceramide	Galactosylceramide	9/28/2012	disease	Corporation
297					
re	ecombinant human CD24FcIg				
(h	numanized fusion protein				
со	onsisting of the extracellular				
do	omain of CD24 linked to IgG1			Prevention of graft-versus-host	
Fc	domain	n/a	6/9/2015	disease	Oncolmmune, Inc.
298					
	ecombinant human			Prevention of graft-vs-host	
	eoxyribonuclease I (DNase I)	n/a	8/18/2014	disease	SciVac Ltd.
299					
				Prevention of hemorrhagic fever	
	antaan virus and Puumala	,		•	Surgeon General of
	rus DNA vaccines	n/a	11/13/2012	Hantaan virus and Puumala virus.	the U. S. Army
300	and the Book and a second selection			Prevention of hepatitis B	
	epatitis B virus neutralizing	Hanahia Cana	F /C /2042	recurrence following liver	Crook Crook Cons
	uman monoclonal antibody	Hepabig Gene	5/6/2013	transplantation	Green Cross Corp.
301	onoclonal antibody directed			Drayontian of Hanstitis C	MassPiologics
	nonoclonal antibody directed the transfer to t			Prevention of Hepatitis C recurrence in patients receiving	MassBiologics- University of MA
	·	n/a	11/4/2012	liver transplantation	Medical School

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
302				Prevention of HIV infection in	
				pediatric patients under the age	Auritec
	nevirapine	n/a	11/25/2009	of 16 years	Pharmaceuticals
303				Prevention of human	
				cytomegalovirus viremia and	Merck Sharpe &
	letermovir	n/a	12/12/2011	disease in at risk populations	Dhome Corporation
304				Prevention of hypoglycemia in	
				the congenital hyperinsulinism	
	glucagon	n/a	12/5/2012	population	Biodel, Inc.
305	Recombinant human			Prevention of implantation	
	granulocyte colony stimulating			failure and unexplained recurrent	Nora Therapeutics,
	factor	n/a	7/24/2006	miscarriage	Inc.
306				Prevention of inflammatory	
				complications of transthoracic	
	recombinant elafin	n/a	3/18/2013	esophagectomy	Proteo Biotech AG
307					
	Methyl O-4-O-[2-[2-[2-[2-[[N-				
	[(1R)-1-[[4-				
	(aminoiminomethyl)phenyl]m				
	ethyl]-2-oxo-2-(1-				
	piperidinyl)ethyl]-N2-[(4-				
	methoxy-2,3,6-				
	trimethylphenyl)sulfonyl]-				
	Laspararginyl-4-aminobutanoyl-			Prevention of ischemia	
	N6-[5-[(3aS,4S,6aR)-hexahydro-			reperfusion injury associated wth	
	2-oxo-1H-thieno[n/a	4/18/2011	solid organ transplantation	Endotis Pharma
308	Recombinant P-selectin			Prevention of ischemia	
	glycoprotein ligand-			reperfusion injury in all solid	
1	immunoglobulin Ig	n/a	7/26/2007	organ transplants	Y's Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
309				Prevention of ischemia	
				reperfusion injury in patients	
				undergoing solid organ	Borders Technology
	Human Hemin	n/a	8/6/2013	transplantation	Management Ltd
310				Prevention of ischemia	Apeptico Forschung
				reperfusion injury in the lung	und Entwicklung
	17 amino acid peptide	n/a	1/29/2010	during lung tranplantation	GmbH
311				Prevention of ischemia	
				reperfusion injury to donor organ	
				tissue associated with solid organ	Норе
	sodium nitrite	n/a	9/3/2009	transplantation	Pharmaceuticals
312				Prevention of	
				ischemia/reperfusion injury	
	humanized IgG4 monoclonal			associated with solid organ	
	antibody	n/a	12/12/2011	tranplantation	Opsona Theraeputics
313	recombinant human minibody			Prevention of	
	against complement			ischemia/reperfusion injury	
	component C5 fused with RGD-			associated with solid organ	
	motif	n/a	2/4/2009	transplantation.	Adienne S.A.
314				Prevention of ischemia-	
				reperfusion injury in kidney	
	cardiotrophin-1	n/a	10/16/2014	transplant recipients	Digna Biotech, S.L.
315				Prevention of ischemia-	Astellas Pharma
				reperfusion injury in solid organ	Global Development,
	diannexin	n/a	10/28/2009	·	Inc.
316	Japanese encephalitis vaccine			Prevention of Japanese	
	(live, attenuated)	n/a	5/19/1999	encephalitis.	Glovax Co., Ltd.
317					
				Prevention of late-onset sepsis in	Metrodora
	bovine lactoferrin	n/a	2/19/2015	very low birth weight infants	Therapeutics, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
318					
				Prevention of life-threatening	
				ventricular arrhythmias in	
				patients with documented	
	N-acetyl-procainamide	n/a		procainamide-induced lupus.	NAPA of the Bahamas
319				Prevention of necrotizing	
				enterocolitis (NEC) in premature	
	Lactobacillus acidophilus and			infants with very low birth	
	Bifidobacterium animalis			weight less than or equal to 1500	~
	subsp. lactis	n/a	3/24/2015		Pharmaceuticals, Inc.
320				Prevention of necrotizing	
				enterocolitis in preterm infants	
		,		with birth weight less than or	Infant Bacterial
	L. reuteri	n/a	8/1/2013	equal to 1,500 grams	Therapeutics
321					
				Prevention of necrotizing	
				enterocolitis in very low birth	N 4 a t u a al a u a
	havina la stafamia	/-		- 0 (0	Metrodora
322	bovine lactoferrin	n/a	2/23/2015	than or equal to 1500 grams)	Therapeutics, LLC
322				Prevention of neonatal	
				bronchopulmonary dysplasia in	
	Recombinant human Clara Cell				Therabron
		n/a		respiratory distress syndrome.	Therapeutics, Inc.
323	Omega-3 (n-3)	- 11/ α	7 13 1338	respiratory distress syndronie.	incrapeutics, inc.
323	polyunsaturated fatty acid				
	with all double bonds in the cis			Prevention of organ graft	Research Triangle
		n/a	11/22/1995		Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
324					
	somatic cell therapy product				
	containing hematopoietic progenitor cells (HPC),			Prevention of organ rejection in	Novartis
	Facilitating Cells (FC), and			living donor kidney transplant	Pharmaceuticals
	alpha beta T cells.	n/a	2/4/2016	recipients	Corporation
325					,
				Prevention of ototoxicity caused	
				by platinum-based	
				chemotherapeutic agents used to	
	N-acetylcysteine	n/a	7/19/2012	treat pediatric cancers	MD
326	l.,,	,	0 /40 /000	Prevention of paralysis due to	
227	Albuterol	n/a	3/12/2002	spinal cord injury	MotoGen, Inc.
327	Ibuprofen i.v. solution	Salprofen	10/29/1996	Prevention of patent ductus	Farmacon-IL, LLC
328	ibuproferri.v. solution	Salproferi	10/29/1990	al teriosus.	raililacon-it, ttc
320				Prevention of platinum-induced	Fennec
	Sodium thiosulfate	n/a	3/17/2004	ototoxicity in pediatric patients	Pharmaceuticals, Inc.
329					
				Prevention of platinum-induced	Норе
	sodium thiosulfate	n/a	10/13/2011	ototoxicity in pediatric patients	Pharmaceuticals
330					
				Prevention of platinum-induced	5 1 1 A A 1 1 1 1
	N-acetylcysteine and sodium thiosulfate		9/21/2015	toxicities in pediatric patients (0	Edward A. Neuwelt,
331	tinosunate	n/a	6/31/2015	through 16 years of age). Prevention of Pneumocystis	MD
331				carinii pneumonia in AIDS	
	Clindamycin	Cleocin	10/28/1988	•	Pfizer Inc.
332	,		, , , , ,	Prevention of Pneumocystis	
				carinii pneumonia in patients at	
	Pentamidine isethionate			high risk of developing this	
	(inhalation)	Pneumopent	10/5/1987	disease	Fisons Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
333					
				Prevention of post-	
				cardiopulmonary bypass	Avant
	Soluble complement receptor			syndrome in children undergoing	Immunotherapeutics,
	type 1	n/a	3/6/2000	cardiopulmonary bypass.	Inc.
334					
	(9-[N-(3-morpholinopropyl)-				
	sulfonyl]-5,6-dihydro-5-oxo-11-			Prevention of post-operative	Inotek
	H-indeno [1,2-c] isoquinoline			l '	Pharmaceuticals
	methanesulfonic acid	n/a	12/8/2004	surgical repair	Corporation
335					
				Prevention of post-	
				transplantation	
	Recombinant Epstein-Barr			lymphoproliferative disorders in	
	virus gp350 glycoprotein			pediatric recipients of solid-organ	
	vaccine	n/a		transplantation	Henogen S.A.
336				Prevention of preterm birth in	
	17-a-hydroxyprogesterone			women with a singleton	
	caporate (oral formulation)	n/a	6/1/2015	pregnancy	Lipocine, Inc.
337					
				Prevention of pulmonary fungal	
				infections in patients at risk for	
				aspergillosis due to	
				immunosuppressive therapy	
				including those receiving organ	
				or stem cell transplants, or	
				treated with chemotherapy or	Novartis
	Amphotericin B inhalation			radiation for hematologic	Pharmaceuticals
	powder	n/a	12/15/2005	malignancies	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
338				Prevention of radiation- or	
	Manganese superoxide			chemotherapy-induced oral	Galera Therapeutics,
	dismutase mimetic	n/a	2/27/2008	mucositis in cancer patients	LLC
339				Prevention of recurrence of	
				pterygium after its surgical	Mobius Therapeutics,
	mitomycin	n/a	1/13/2011	excision.	LLC
340	Silibinin-C-2',3-				
	dihydrogensuccinate,		- 4 4	Prevention of recurrent hepatitis	
	disodium salt	Legalon Sil	2/17/2012	C in liver transplant patients	Meda AB
341					
	Recombinant humanized MAb	,	0/00/4000	Prevention of rejection of	
	5c8	n/a	3/22/1999	pancreatic islet cell transplants.	Biogen, Inc.
342	Recombinant humanized MAb	. 1.	2/22/4000	Prevention of rejection of solid	D'acces les
242	5c8	n/a	3/22/1999	organ transplants.	Biogen, Inc.
343				Prevention of retinopathy of	
				prematurity in premature infants	
	mecasermin rinfabate	n/a	9/20/2012	born at risk for the disease	Premacure AB
344	mecaseriiiii riiiiabate	ii/ a	3/20/2012	Prevention of retinopathy of	r remacure AD
] 344				prematurity in preterm infants at	
				risk for developing retinopathy of	
	myo-inositol	n/a	4/7/2005	prematurity	Abbott Nutrition
345	inye mesice.	117 5	1,7,2003	prematarity	7 to occ 11 del 161011
	ricin vaccine	Rivax(R)	1/7/2011	Prevention of ricin intoxication.	Soligenix, Inc.
346			_, · , _ 		J. ,
				Prevention of scarring following	
	tranilast	Rizaben	12/23/2010	glaucoma filtration surgery	Altacor Ltd
347				, j	
	4-(4-Methoxy-phenylamino)-6-				
	methylcarbamyl-quinoline-3-			Prevention of scarring post ab	
	carboxylic acid	n/a	3/24/2015	externo glaucoma surgery	Clanotech AB

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
348					
	synthetic 14-mer				
	phosphorothioate antisense				
	oligonucleotide directed			Prevention of scarring post	Isarna Therapeutics
	against TGF-beta2 mRNA	n/a	6/4/2014	glaucoma filtration surgery	GmbH
349	Cyclosporine in combination				
	with omega-3 polyunsaturated			Prevention of solid organ graft	RTP Pharma
	fatty acids	n/a	12/6/2000	rejection.	Corporation
350					
				Prevention of thrombotic	
	Recombinant disintegrin and			thrombocytopenic purpura	
	metalloprotease with			including its congential, acquired	
	thrombospondin type 1 motifs	n/a	7/29/2008	idiopathic and secondary forms.	Baxalta US Inc.
351	Parvovirus B19 (recombinant			Prevention of transient aplastic	
	VP1 and VP2; S.frugiperda			crisis in patients with sickle cell	
	cells) vaccine	Medi-491	5/7/1999		MedImmune, Inc.
352				Prevention of vasospasm	
				associated with subarachnoid	Норе
	Sodium nitrite	n/a	1/17/2007	hemorrhage	Pharmaceuticals
353					
	Soluble recombinant human			Prevention or reduction of adult	
	complement receptor type 1	n/a	11/21/1994	respiratory distress syndrome.	T Cell Sciences, Inc.
354				Prophylactic treatment of	
				angioedema caused by	
	Recombinant human C1-			hereditary or acquired C1-	
	esterase inhibitor	n/a	2/23/1999	esterase inhibitor deficiency.	Pharming Group N.V.
355				Prophylactic treatment of	
				Mycobacterium avium complex	
				in patients with AIDS and a CD4+	
				count less than or equal to	Hoechst Marion
	Rifapentine	Priftin	3/12/1996	75/mm3.	Roussel, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
356				Prophylactic treatment of oral	
				mucositis resulting from	
				radiation therapy for head and	Angelini
	Benzydamine hydrochloride	Tantum	5/18/1998	neck cancer.	Pharmaceuticals, Inc.
357				Prophylactic treatment of	
				patients exposed to inhalation	Advanced Life
	cethromycin	n/a	2/28/2007		Sciences, Inc.
358				' '	Advanced Life
	cethromycin	Restanza(Tm)	9/9/2009	due to Yersinia pestis	Sciences, Inc.
359	Synthetic derivative of 16-				
	hydroxy-9Z, 12Z, 14E-			Prophylactic treatment of sickle	Omex International,
	octadecatrienoic acid	Drepanol	10/24/1991	cell disease.	Inc.
360				Prophylactic treatment of	
				tularemia due to Francisella	Advanced Life
	cethromycin	Restanza(Tm)	9/9/2009	tularensis.	Sciences, Inc.
361					
				Prophylactic use in pediatric	
				patients (age 0 through 16 years)	
				with esophageal varices that are	
				at risk of bleeding to obliterate	
	ethanolamine	Ethamolin	1/17/2014	varices and to prevent bleeding	QOL Medical, LLC
362				Prophylaxis against hepatitis B	Biotest
	Hepatitis B immune globulin			virus reinfection in liver	Pharmaceuticals
	intravenous (human)	Nabi-Hb	3/8/1995	transplant patients.	Corporation
363					
				Prophylaxis against	Biotest
	Staphylococcus aureus			Staphylococcus aureus infections	Pharmaceuticals
	Immune Globulin (Human)	Altastaph	1/29/2004	in low birth weight neonates	Corporation
364				Prophylaxis following	
	5GAATATTAACAIACTGACAAGT			documented or suspected	Sarepta Therapeutics,
	C-3	n/a	10/31/2012	exposure to marburg virus	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
365					
				Prophylaxis for patients following	
				documented or suspected	Sarepta Therapeutics,
	5'-GCCATGGTTTTTTCTCAGG-3'	n/a	10/31/2012	exposure to ebolavirus	Inc.
366					Jacobus
				Prophylaxis for Pneumocystis	Pharmaceutical
	Dapsone USP	Dapsone	12/24/1991	carinii pneumonia.	Company
367				Prophylaxis of acute allograft	
	anti-T-lymphocyte immune			rejection in adult recipients in	Neovii Biotech NA,
	globulin, rabbit	n/a	9/12/2008	solid organ transplantation	Inc.
368				Prophylaxis of acute organ	
	anti-thymocyte globulin			rejection in patients receiving	
	[rabbit]	Thymoglobulin	5/25/2010	renal transplants	Genzyme Corporation
369					
	Anti-T cell receptor murine			Prophylaxis of acute rejection of	Tolera Therapeutics,
	monoclonal antibody	n/a	4/3/2009	solid organ transplantation	Inc.
370				Prophylaxis of chemotherapy-	Sanofi-Synthelabo
	Recombinant urate oxidase	n/a	10/11/2000	induced hyperuricemia.	Research
371	synthetic double-stranded			Prophylaxis of delayed graft	
	siRNA oligonucleotide against			function in renal transplant	Quark
	p53 mRNA	n/a	12/23/2009	patients	Pharmaceuticals, Inc.
372				Prophylaxis of graft vs host	
	Multistem(r)	n/a	9/15/2010		Athersys, Inc.
373				Prophylaxis of graft-versus-host	Sigmoid Pharma
	cyclosporine	n/a	2/17/2009	disease	Limited
374				Prophylaxis of graft-versus-host-	
	Tacrolimus	Prograf	4/6/1998		Fujisawa USA, Inc.
375				Prophylaxis of hepatitis C	Biotest
	Hepatitis C virus immune			infection in liver transplant	Pharmaceuticals
	globulin (human)	Civacir(Tm)	11/14/2002	recipients.	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
376	Polyethylene glycol-modified uricase	Zurase	9/14/1999	Prophylaxis of hyperuricemia in cancer patients prone to develop tumor lysis syndrome during chemotherapy.	EnzymeRx, LLC
377	Cyclosporine	n/a	11/25/2003	Prophylaxis of organ rejection in patients receiving allogeneic lung transplant	APT Pharmaceuticals,
378	Chimeric, humanized monoclonal antibody to staphylococcus	n/a	8/3/2000	Prophylaxis of Staphylococcus epidermidis sepsis in low birth weight (1500 grams or less) infants.	Biosynexus, Inc.
379	Dapsone	n/a	11/7/1994	Prophylaxis of toxoplasmosis in severely immunocompromised patients with CD4 counts below 100.	Jacobus Pharmaceutical Company, Inc.
380	Broxuridine	Broxine/Neomark		Radiation sensitizer in the treatment of primary brain	NeoPharm, Inc.
381	dodecafluoropentane emulsion (DDFPe)	n/a		Radiosensitizer to be used during radiation treatment of	NuvOx Pharma
382	ropidoxuridine (5-iodo-2- pyrimidinone-2'-deoxyribose)	n/a	5/19/2016	Radiosensitizer to be used during radiation treatment of glioblastoma multiforme.	EMEK, Inc.
383	Recombinant human keratinocyte growth factor	n/a	12/20/1999	Reducing the incidence and severity of radiation-induced xerostomia.	Swedish Orphan Biovitrum AB (publ) (SOBI)

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
384				Relief of persistent pain	
				associated with postherpetic	Impax Laboratories,
	bupivacaine	Transdur	6/18/2008	neuralgia	Inc.
385					
	CaspaCIDe System			Replacement T-cell therapy for	
	(combination product)			the treatment of	
	consisting of allogeneic T Cell			immunodeficiency and graft	
	genetically modified to contain			versus host disease after	
	an inducible caspase 9 gene			allogeneic hematopoietic stem	Bellicum
	and Rimiducid	n/a	2/18/2016	cell transplant	Pharmaceuticals, Inc.
386				Replacement therapy in	
	Dehydroepiandrosterone			individuals with adrenal	
	(DHEA)	Fidelin	8/19/2003	insufficiency	Paladin Labs, Inc.
387				Replacement therapy in patients	
				with Type II and III Gaucher's	
	Alglucerase injection	Ceredase	7/21/1995	disease.	Genzyme Corporation
388				Rescue treatment of seizures in	
				patients who require control of	
				intermittent bouts of increased	
				seizure activity (e.g. acute	
				repetitive seizures, seizure	Upsher-Smith
	midazolam	n/a	10/20/2009	clusters)	Laboratories, Inc.
389				Reversal of anticoagulation	
				therapy in patients needing	
				treatment of serious or life	
				threatening bleeding and/or	
	Human prothrombin complex			needing urgent surgery or	
	concentrate	Octaplex	2/1/2008	invasive procedures	Octapharma USA, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
390					
				Routine prophylactic	
				administration for prevention of	
	40K PEGylated recombinant			bleeding in patients with	
	factor IX	n/a	3/18/2013	hemophilia B (Christmas disease)	Novo Nordisk, Inc.
391					
				Routine prophylaxis to prevent	
				bleeding episodes in patients	
	Recombinant Human Factor			with hemophilia A and B patients	
	VIIa Variant	n/a	11/30/2012	with inhibitors	Pfizer, Inc.
392				Support of glutathione deficiency	
				in individuals with inborn errors	
				of metabolism of glutathione	Your Energy Systems,
	Liposomal Glutathione	n/a	4/30/2010	(IEMG)	LLC
393					
				Suppression of thyroid	
				stimulating hormone in patients	
				with well-differentiated cancer of	Danforth, Jr., MD,
	Tetraiodothyroacetic acid	n/a	5/1/2000	the thyroid gland.	Elliot
394					
				Symptomatic treatment of self	
				injurious behaviors in patients	Psyadon
	ecopipam hydrochloride	n/a	7/21/2009	with Lesch-Nyhan disease.	Pharmaceuticals, Inc.
395				Teatment of B-cell chronic	
				lymphocytic leukemia (B-CLL) or	
				prolymphocytic leukemia arising	Tolero
	Alvocidib	n/a	4/13/2007	from CLL.	Pharmaceuticals, Inc.
396				The management of	
	ciprofloxacin	n/a	6/1/2011	bronchiectasis	Aradigm Corporation
397	Gallium-68 (DOTA0-Phel-			The management of	University of Iowa
	Tyr3)octreotide	n/a	10/25/2013	neuroendocrine tumors	Hospital & Clinics

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
398				The preservation of organ function in brain-dead organ	Fera Pharmaceuticals,
	levothyroxine sodium	n/a	4/26/2011	I -	LLC
399	Selective inhibitor of	117 0	1,20,2011	Therapeutic management of	DuPont
	polymorphonuclear leukocyte			patients with lung disease	Pharmaceuticals
	(PMN) elastase	n/a	6/4/1996	attributable to cystic fibrosis.	Company
400	Autologous incubated macrophage	n/a	9/3/2004	Therapy to improve the motor and sensory neurological outcome in acute cases of spinal cord injury	Proneuron Biotechnologies, Inc.
401			2,3,		
	angiotensin 1-7	n/a	6/17/2010	To accelerate engraftment of hematopoietic cells (treatment of neutropenia, thrombocytopenia, lymphoma, and aneima)in hematopoietic stem cell transplants.	US Biotest, Inc.
402		,	, ,		,
	Dehydroepiandrosterone sulfate sodium	n/a	1/28/1997	To accelerate the re- epithelialization of donor sites in those hospitalized burn patients who must undergo autologous skin grafting.	Pharmadigm, Inc.
403				To aid in the diagnosis of	Medical Defense
	pentagastrin	n/a	5/29/2009	medullary thyroid carcinoma	Technologies, LLC
404	recombinant human alpha-1 antitrypsin (rAAT)	n/a	8/28/2001	To delay progression of chronic obstructive pulmonary disease resulting from AAT deficiency-mediated emphysema and bronchiectasis	AiroMedica LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
405				To establish and maintain	
				anticoagulation in heparin-	
				intolerant patients undergoing	Knoll Pharmaceutical
	Ancrod	Viprinex	10/20/1989	cardiopulmonary bypass.	Company
406				, , , ,	, ,
				To improve homing to bone	
				(treatment of myeloablation) in	
				1.	America Stem Cell,
	FTV1+GDP-fucose	n/a	3/18/2011	stem cell transplantation.	Inc.
407				To improve neurological	
				outcome in hospitalized cardiac	
	xenon gas	n/a	5/18/2015	arrest patients.	Neuroprotexeon
408	Thawed donor matched			To improve patient outcomes by	
	banked umbilical cord blood			decreasing time to platlet and	
	enriched by cell sorting to			neutrophil engraftment in	
	produce a subpopulation			patients with inherited metabolic	
	expressing high levels of			diseases (IMD) undergoing	
	intracellular aldehyde			umbilical cord blood	
	dehydrogenase	n/a	10/23/2008	transplantation.	Aldagen, Inc.
409					
				To improve pulmonary function	
				in conjunction with standard	
				therapy in the management of	Boehringer Ingelheim
	Tiotropium bromide	Spiriva	1/8/2008	patients with cystic fibrosis	Pharmaceuticals, Inc.
410				_	
				To improve renal function and	
				prevent delayed graft function	Angion Biomedica
	refanalin	n/a	5/25/2010	following renal transplantation	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
411				To increase the activity of regulatory T-cells (Tregs) used in	
	recombinant human			the prevention of graft versus host disease in patients	
	fucosyltransferase VI [FTVI] + GDP-fucose	n/a	1/27/2015	undergoing hematopoietic stem cell transplantation	TargaZyme, Inc.
412	T4 endonuclease V, liposome			To prevent cutaneous neoplasms and other skin abnormalities in	
	encapsulated	n/a	6/27/1989	xeroderma pigmentosum.	AGI Dermatics
413				To protect the liver from ischemia-reperfusion injury	
		,	- / /	inherent to the procedure of	
44.4	cardiotrophin-1	n/a	6/24/2008	transplantation.	Digna Biotech, S.L.
414				To reduce the risk of chronic lung	
	Nitric oxide	Inomax	9/27/2004	disease in premature neonates	INO Therapeutics
415	THE SAIGE	III O III O II	3/2//2001	allocase in premacare neonaces	into merupeuties
				To restore the structure and/or	
				function of the trachea	
	inBreath airway transplant			subsequent to tracheal damage	
	system	n/a	9/4/2014	due to cancer, injury or infection	Biostage, Inc.
416				T	
				To selectively stain the thickened internal limiting membrane,	
				which has formed onto the inner	
				side of the retina in vitreo-retinal	Dutch Opthalmic
	Brilliant Blue G	Dorc Ilm-Blue	7/31/2012		Research Center

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
417				To slow the progression of IgA	
	Human monoclonal antibody			nephropathy and delay kidney	
	against platelet-derived			failure in patients affected by the	
	growth factor D	n/a	11/2/2004	disease.	CuraGen Corporation
418					
				To slow the progression of	
				immunoglobulin A nephropathy	
				& delay kidney failure in patients	
	budesonide	Nefecon	5/17/2010	affected by the disease.	Pharmalink AB
419				Topical treatment for the	
				prevention of soft tissue injury	
				following extravastion of	Cancer Technologies,
	Dimethylsulfoxide	n/a	4/15/1997	cytotoxic drugs.	Inc.
420				Topical treatment of active	
	Metronidazole 10% ointment	n/a	11/8/2007	perianal Crohn's disease	SLA Pharma (UK) Ltd
421				Topical treatment of children and	
	Clotrimazole	n/a	6/14/2005	adults with pouchitis	AesRx, LLC
422					
				Topical treatment of cutaneous	
				lymphoma encompassing	
				cutaneous manifestations of T-	
				cell lymphoma and B-cell	ExperGen Drug
	miltefosine	Miltex/Impavido	3/18/2009	lymphoma	Development GmbH
423				Topical treatment of fungal otitis	Fairfield Clinical
	Itraconazole suspension	n/a	10/30/2008	externa (otomycosis)	Trials, LLC
424				Topical treatment of metastatic	Advanced Life
	Betulinic acid	n/a	8/9/2007	melanoma	Sciences, Inc. (ALS)
425	Methotrexate with			Topical treatment of mycosis	Echo Therapeutics,
	laurocapram	Methotrexate/Azone	10/15/1990	fungoides.	Ltd.
426				Topical treatment of pruritus	
				associated with mycosis	
	naloxone	n/a	11/23/2010	fungoides	Elorac, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
427				Topical treatment of Tuberous	
				Sclerosis Complex-related skin	Aucta
	everolimus ointment	n/a	9/10/2015	lesions	Pharmaceuticals, LLC
428					Solbec
				Treaatment of high risk stage II,	Pharmaceuticals
	Solasonine and solamargine	Coramsine	2/6/2006	stage III and stage IV melanoma	Limited
429				Treament of acute radiation	
	TXA127	n/a	10/25/2013	syndrome	US Biotest, Inc.
430	anti-Lewis Y humanized				Recepta Biopharma
	monoclonal antibody	n/a	3/9/2012	Treament of ovarian cancer	S.A.
431				Treat of homozygous familial	Regeneron
	evinacumab	n/a	2/8/2016	hypercholesterolemia.	Pharmaceuticals, Inc.
432				Treat of ulcerative colitis in	
				pediatric patients aged 0 through	
	budesonide	Uceris	5/6/2013	16 years.	Santarus, Inc.
433	folate binding protein peptide:				
	Glu-Ile-Trp-Thr-His-Ser-Tyr-Lys-				Galena Biopharma,
	Val	n/a	6/8/2016	of recurrence) of ovarian cancer	Inc.
434	Folate Binding Protein Peptide:				
	Glu-Ile-Trp-Thr-Phe-Ser-Thr-				Galena Biopharma,
	Lys-Val	n/a	6/8/2016	of recurrence) of ovarian cancer	Inc.
435	Cyclo {{(E,Z)-(2S,3R,4R)-3-				
	hydroxy-4-methyl-2-				
	(methylamino)nona-6,8-				
	dienoyl}-L-2-aminobytyrl-N-				
	methyl-glycyl-N-methyl-L-				
	leucyl-L-valyl-N-methyl-L-				
	leucyl-L-alanyl-D-alanyl-N-			Treatment and chronic control of	
	methyl-L-leucyl-N-methyl-L-			non-infectious posterior,	
	leucyl-N-methyl-L-valyl}	n/a	12/20/2006	intermediate and pan-uveitis	Lux Biosciences, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
436					
				Treatment and maintenance of	Pediatric
	Thalidomide	n/a	11/15/1988	reactional lepromatous leprosy.	Pharmaceuticals, Inc.
437				Treatment and management of	
				patients with non-Hodgkins	Berlex Laboratories,
	Fludarabine phosphate	Fludara	4/18/1989	lymphoma.	Inc.
438				Treatment and prevention of	
				angioedema caused by C1-	Alpha Therapeutic
	C1 esterase inhibitor (human)	n/a	8/21/1996	esterase inhibitor deficiency.	Corporation
439					
				Treatment and prevention of	
				cerebral vasospasm following	Thomas, MD, Jeffrey
	Nitroprusside	n/a	2/21/2001	subarachnoid hemorrhage.	Evan
440				Treatment and prevention of	
				chloroquine-resistant	
	Mefloquine HCl	Mephaquin	7/22/1987	Falciparummalaria	Mepha AG
441					
				Treatment and prevention of	
				recurrent aphthous ulcers in	
				severely, terminally	Andrulis Research
	Thalidomide	n/a	5/15/1995	immunocompromised patients.	Corporation
442				Treatment and prophylaxis of	
				bleeding episodes in patients	
				with hemophilia A or B with	
	long acting recombinantFactor			inhibitors to factor VIII or factor	
	VIIa-CTP3	n/a	2/27/2014	IX	PROLOR Biotech, Ltd
443				Treatment and prophyllaxis of	
				bleeding episodes in patients	
				with congenital hemophilia and	
				inhibitors to coagulation factor	
	rVIIa-FP	n/a	12/22/2011	VIII or IX	CSL Behring

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
444	Bovine immunoglobulin concentrate, Cryptosporidium parvum	Sporidin-G	3/1/1994	Treatment and symptomatic relief of Cryptosporidium parvum infection of the gastrointestinal tract in immunocompromised patients.	GalaGen, Inc.
445	lactobacillus brevis CD2	n/a		Treatment Behcet's disease	VSL Pharmaceuticals,
446	4-Aminopyridine	n/a	12/14/2005	Treatment chronic functional motor and sensory deficits from Guillain-Barre syndrome	Acorda Therapeutics,
447	homoharringtonine	n/a	2/8/2002	Treatment for chronic myelogenous leukemia	American BioScience, Inc.
448	Immune Globulin Intravenous (human)	Carimune Nf	5/4/2004	Treatment for Guillain Barre Syndrome	ZLB Bioplasma AG
449	blinatumomab	n/a	5/16/2008	Treatment for hairy cell leukemia.	Amgen, Inc.
450	tri-antennary glycotripeptide derivative of 5-fluorodeoxyuridine monophosphate	n/a	11/23/2001	Treatment for hepatocellular carcinoma	Cell Works Inc.
451	nitazoxanide	Cryptaz	10/23/2001	Treatment for intestinal amebiasis	Romark Laboratories, L.C.
452	human gammaglobulin	Oralgam		Treatment for juvenile rheumatoid arthritis	Latona Life Sciences, Inc.
453	2-chloroethyl-3-sarcosinamide- 1-nitrosourea	Sarmustine	11/15/2001	Treatment for malignant glioma	Pangene Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
454					
	2-chloroethyl-3-sarcosinamide-				Lawrence Panasci,
	1-nitrosourea	n/a	8/3/2001	0 0	MD
455	polyinosinic-polycytidilic acid			Treatment for orthopox virus	
	(Poly-ICLC)	Hiltonol	11/19/2002		Oncovir
456				Treatment for patients with brain	·
	A10 & AS2-1 Antineoplaston	n/a	9/3/2004	stem glioma	Institute, Inc.
457	20				
	antisense 20-mer				
	phosphorothioate				
	oligonucleotide [complementary to the coding				
	region of R2 component of the				
	human ribonucleotide			Treatment for renal cell	Lorus Therapeutics,
	reductase mRNA]	Gti-2040	3/12/2003		Inc
458	reductase minivity	Gti 2040	3/12/2003	caremonia	inc
130				Treatment for sickling disorders,	
				which include S-S	
				hemoglobinopathy, S-C	
				hemoglobinopathy, and S-	Medicis
	sodium phenylbutyrate	n/a	7/2/1992	thalassemia hemoglobinopathy.	Pharmaceutical Corp.
459					
				Treatment glioblastoma	AmpliPharm
	temozolomide	n/a	11/25/2015	multiforme in pediatric patients	Pharmaceuticals, LLC
460				Treatment in Stage IIB-IV	
				melanoma positive for the BRAF	
	encorafenib + binimetinib	n/a	11/19/2013	mutation.	Array BioPharma, Inc.
461					
				Treatment infections caused by	
	liposomal amikacin	Arikace	3/25/2013	non-tuberculous mycobacteria	Insmed, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
462	humanized IgG1 anti-serum				
	amyloid A monoclonal			Treatment of AA amyloidosis and	Prothena
	antibody	n/a	2/17/2012	AL amyloidosis	Therapeutics Limited
463	modified recombinant human				
	C-type natriuretic peptide				BioMarin
	(CNP)	n/a	1/17/2013	Treatment of achondroplasia	Pharmaceutical, Inc.
464					
	recombinant adeno-associated				
	virus vector expressing the			Treatment of achromatopsia	
	cyclic nucleotide gated			caused by mutations in the	Applied Genetic
	channel alpha subunit (CNGA3)	n/a	11/16/2015	CNGA3 gene	Technologies Corp.
465					
	recombinant adeno-associated				
	virus vector expressing the				
	cyclic nucleotide gated			•	Applied Genetic
	channel beta subunit (rAAV-			caused by mutations in the	Technologies
	CNGB3)	n/a	2/4/2011	CNGB3 gene.	Corporation
466					
	adenovirus associated viral				
	vector serotype 8 containing			Treatment of achromatopsia due	
	the human CNGB3 gene	n/a	3/10/2016		MeiraGTx Limited
467				Treatment of acid	
		,	- 1- 1	sphingomyelinase deficiency	
	olipudase alfa	n/a	8/3/2000	(Niemann-Pick disease)	Genzyme Corporation
468					
	2'-0-(2-				
	methoxyethyl)phosphorothioa	,			Antisense
	te antisense oligonucleotide	n/a	5/10/2016	Treatment of acromegaly	Therapeutics Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
469					
	cyclo(-y-aminobutyryl-L-				
	phenylalanyl-L-tryptophanyl-D-				
	tryptophanyl-L-lysyl-L-threonly-				
	L-phenylalanyl-N-3-				Aspireo
	carboxypropyl)-glycine amide,	,	6/24/2042		Pharmaceuticals
470	acetate salt	n/a	6/24/2013	Treatment of acromegaly	Limited
470	octreotide acetate				Endo Pharmaceuticals
	subcutaneous implant	n/a	12/7/2000	Treatment of acromegaly	Solutions, Inc.
471	vapreotide	Sanvar		Treatment of acromegaly	H3 Pharma, Inc.
471	vapreotide	Salivai	11/4/2003	Treatment of actomegaly	113 Filatilla, IIIC.
7/2				Treatment of active (dynamic)	
	teprotumumab	n/a	5/6/2013	phase Grave's orbitopathy	River Vision, Inc.
473		- 4	5/ 5/ = 5 = 5	, , , , , , , , , , , , , , , , , , ,	
	lactic acid bacteria				
	(Lactobacilli, Bifidobacteria,			Treatment of active chronic	VSL Pharmaceuticals,
	and Steptococci)	n/a	1/15/2002	pouchitis	Inc.
474				Treatment of active Crohn's	
	bacterium Bacteroides			disease in the pediatric	4D Pharma Research
	thetaiotaomicron	n/a	9/26/2013	population	Ltd
475				Treatment of active	
	filociclovir	n/a	11/29/2010	cytomegalovirus infections	Microbiotix, Inc.
476					Novartis
					Pharmaceuticals
	clofazimine	Lamprene	6/25/2014	Treatment of active tuberculosis	Corp.
477	Substituted imidazopyridine			Treatment of active tuberculosis	
	amide	n/a	12/22/2015		Qurient Co., Ltd.
478			, , ,	Treatment of acute and chronic	
	Tretinoin	Atra-Iv	1/14/1993	leukemia.	Antigenics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
479				Treatment of acute and chronic	
				respiratory symptoms of	BioAgeis,
	Recombinant human gelsolin	n/a	3/6/1995	bronchiectasis.	Therapeutics, Inc.
480				-	
			- 4 - 4	Treatment of acute colonic	Luitpold
	neostigmine	n/a	3/18/2013	pseudo-obstruction	Pharmaceuticals, Inc.
481		,	- 1 1	Treatment of acute cyanide	
	Hydroxocobalamin	n/a	9/22/2000	poisoning	Jazz Pharmaceuticals
482				Total control of the decision	
				Treatment of acute dengue	
				illness (inclusive of acute dengue	
	N-(9-methoxynonyl)-1-			illness, dengue fever, dengue	F 1 \ \(\text{'} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	deoxynojirimycin	. 1.	44/47/2044	hemorrhagic fever, and dengue	Emergent Virology,
402	hydrochloride	n/a	11/1//2014	shock syndrome)	LLC
483					Cour Pharmaceutical
				Treatment of courts an conhalitie	
	poly(lactide-co-glycolide)	n /n	10/25/2012	Treatment of acute encephalitis	Development
484	carboxylated microparticle Vasoactive intestinal	n/a	10/25/2013		Company, Inc.
464		n/a	6/22/1002	Treatment of acute esophageal food impaction.	Research Triangle Pharmaceuticals
485	polypeptide	II/ a	0/23/1993	Treatment of acute flares in	Jacobus
465				pediatric patients with ileo-cecal	Pharmaceutical Co.,
	4-aminosalicylic acid	Paser Granules	1/26/2006	Crohn's disease	Inc.
486		r aser Granules	4/20/2006	CIOIIII 3 UISCASC	IIIC.
1 400	Ex vivo cultured adult human			Treatment of acute graft versus	
	mesenchymal stem cells	Prochymal(R)	12/14/2005	host disease	Mesoblast, Inc.
487	mesencinymai stem tens	i roonymui(n)	12/17/2003		ivicaobiaat, ilic.
107	Dimerizing drug that binds to			Treatment of acute graft-versus-	
	mutated Fas protein/drug-			host disease in patients	
	binding domain fusion protein			undergoing bone marrow	Bellicum
	(FKBP)	n/a	11/24/1999	transplantation.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
488					
	Synthetic double-stranded				
	small interfering RNA (siRNA)			Treatment of acute bountin	Alexalene
	oligonucleotide targeting delta- aminoevulinic acid synthase 1		8/29/2016	Treatment of acute hepatic	Alnylam Pharmaceuticals
489	anninoevuninc acid synthase 1	n/a	8/29/2010	Treatment of acute herpetic	Pridrinaceuticais
409				keratitis caused by Herpes	
	acyclovir	n/a		Simplex Virus type 1 and 2	Fera Pharmaceuticals
490		117 0	12/13/2010	omplex that type I and I	r era i marmaccaticais
	recombinant human			Treatment of acute intermittent	
	porphobilinogen deaminase	Porphozyme	9/9/2002	porphyria attacks	Zymenex A/S
491		·			
	recombinant human				
	porphobilinogen deaminase,			Treatment of acute intermittent	
	erythropoetic form	n/a	7/11/2002	porphyria preventing attacks	Zymenex A/S
492				Treatment of acute intermittent	
				porphyria, hereditary	
				coproporphyria, and variegate	Anderson, Karl E.,
	Histrelin	n/a	5/3/1991	porphyria.	M.D.
493				Treatment of acute iron	Biomedical Frontiers,
	deferoxamine starch conjugate	n/a	1/28/2005		Inc.
494			- 1- 1	Treatment of acute iron	Biomedical Frontiers,
	Dextran and deferoxamine	Bio-Rescue	3/8/1991	poisoning.	Inc.
495				Treatment of acute ischemic	Calling the A. It
	Tianua Dia amina a a a a l'ari	/-		stroke (AIS) in children age 16	Catherine Amlie-
406	Tissue Plasminogen activator	n/a	4/18/2011	years and younger.	Lefond, MD
496	H Tur Chy Ara Luc Luc Ara Ara			Treatment of acute ischemic	
	H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Lys-Leu-Ser-			stroke patients presenting within	
	Ser-Ile-Glu- Ser-Asp-Val-OH	n/a	A /11 /201A	3 hours of symptom onset	NoNO, Inc.
	Sei-lie-Giu- Sei-Asp-Vai-Off	ıı, a	4/11/2014	3 Hours or Symptom onset	NONO, IIIC.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
497					
	5-aza-2'-deoxycytidine	n/a	8/3/1987	Treatment of acute leukemia.	SuperGen, Inc.
498				Treatment of Acute Limb	Mast Therapeutics
	poloxamer 188	n/a	11/8/2013	Ischemia	Inc.
499	cardiotrophin-1	n/a	9/13/2011	Treatment of acute liver failure	Digna Biotech S.L.
500	human Hepatocarcinoma- Intestine- pancreas/pancreatitis				
	associated protein	n/a	5/11/2011	Treatment of acute liver failure	Alfact Innovation SAS
501	N-acetylcysteine	n/a	9/9/2002	Treatment of acute liver failure	Cumberland Pharmaceuticals, Inc.
502					
	(1S)-1-(9-deazahypoxanthin-9-				
	yl)-1,4-dideoxy-1,4-imino-D-			Treatment of acute	Mundipharma
	ribitol-hydrochloride	n/a	8/13/2004	lymphoblastic leukemia	Research Limited
503					
				Treatment of acute	Millennium
	bortezomib	Velcade	2/3/2015	lymphoblastic leukemia	Pharmaceuticals, Inc.
504				Treatment of acute	
	epratuzumab	n/a	9/30/2008	lymphoblastic leukemia	Immunomedics, Inc.
505					
	L-asparaginase encapsulated in			Treatment of acute	
	red blood cells	Graspa	1/6/2010	lymphoblastic leukemia	Erytech Pharma
506					
	Lingapore I paga a servicia	n /n	C /47/2005	Treatment of acute	Callisto
F07	Liposomal annamycin	n/a	6/1//2005	lymphoblastic leukemia Treatment of acute	Pharmaceuticals, Inc.
507	methotrexate	n/a	8/20/2009	lymphoblastic leukemia	Orbona Pharma Ltd
508	inculoti caute	ii, u	3/20/2003	Treatment of acute	O Dona i naima Eta
	moxetumomab pasudotox	n/a	6/28/2013	lymphoblastic leukemia	MedImmune, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
509					
	Autologous CD3+ T cells				
	transduced with retroviral				
	vector containing a chimeric				
	antigen receptor directed				
	against CD19 (Autologous				
	CD3+ T cells containing CD19			Treatment of acute	Juno Therapeutics,
	chimeric antigen receptor)	n/a	11/13/2014	lymphoblastic leukemia (ALL)	Inc.
510	small molecule inhibitor of				
	histone methyltransferase			Treatment of acute	
	DOT1L	n/a	8/8/2013	lymphoblastic leukemia (ALL)	Epizyme Inc.
511					
	autologous CD4+/CD8+ T cells				
	transduced with lentiviral			Treatment of acute	
	vector containing a chimeric			lymphoblastic leukemia (inclusive	
	antigen receptor directed			of B-cell acute lymphoblastic	Juno Therapeutics,
	against CD19	n/a	11/6/2014		Inc.
512				Treatment of acute	
				lymphoblastic leukemia in	
				pediatric patients (0 through 16	Silvergate
	methotrexate oral solution	n/a	5/28/2015	years of age)	Pharmaceuticals, Inc.
513				Treatment of acute	
				lymphoblastic leukemia in	
	methotrexate oral liquid			pediatric patients aged 0 through	Chesapeake
	formulation	n/a	3/18/2015		Therapeutics
514				Treatment of acute	
				lymphoblastic leukemia in the	
	6-mercaptopurine oral liquid	n/a	12/7/2009	pediatric population	Orbona Pharma Ltd
515					
				Treatment of acute	Jazz Pharmaceuticals,
	mPEG-r-crisantaspase	Asparec(Tm)	2/1/2010	lymphoblastic leukemia.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
516				Treatment of acute	
	Ruxolitinib	n/a	7/18/2016	lymphoblastic leukemia.	Incyte Corporation
517	stem/progenitor cells derived				
	from ex vivo expanded				
	allogeneic umbilical cord blood			Treatment of acute	
	cells	Nicord(R)	11/13/2014	lymphoblastic leukemia.	Gamida Cell Ltd.
518					
	Autologous T-cells transduced				
	with retroviral vector encoding			_	
	an anti-CD19 CD28/CD3-zeta			Treatment of acute	
	chimeric antigen receptor	n/a	4/20/2016	lymphoblastic leukemia. (ALL).	Kite Pharma, Inc.
519				Treatment of acute myelocytic	
	oblimersen	Genasense	8/28/2001	leukemia	Genta, Inc.
520					
				Treatment of acute myelocytic	Teva Branded
		- .		leukemia subtypes M0, M1, M2,	Pharmaceutical
F24	arsenic	Trisenox	11/2/2001	M4, M5, M6 and M7	Products R&D, Inc.
521	1-(2-C-cyano-2-deoxy-B-D-			T	
	arabino-pentafuranosyl)-N4-	Cama aita bin a	6/24/2010	Treatment of acute myelogenous	Coole and Lineite of
522	palmitoylcytosine	Sapacitabine	6/24/2010	<u>Геикетіа</u>	Cyclacel Limited
522				Treatment of acute myelogenous	Actinium
	225Ac-lintuzumab	n/a	11/25/2014		Pharmaceuticals, Inc.
523	225AC-IIIItuZuIIIab	11/ d		Treatment of acute myelogenous	
323	clofarabine	Clofarex	3/14/2002		Products, Inc.)
524	combretastatin A 1	Ciorarcx	3/ 14/ 2002	Treatment of acute myelogenous	Mateon Therapeutics,
] 527	diphosphate	n/a	11/19/2012	, ,	Inc.
525			11/13/2012	- Cancilla	
523				Treatment of acute myelogenous	AROG
	crenolanib	n/a	10/31/2012		Pharmaceuticals, LLC
526			-,, 	Treatment of acute myelogenous	· ·
	D-peptide	Nerofe	2/4/2011	, •	Ltd

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
527	isocitrate dehydrogenase 2-			Treatment of acute myelogenous	
	mutant inhibitor	n/a	6/12/2014	leukemia	Celgene Corporation
528				Treatment of acute myelogenous	Nanotherapeutics,
	Laromustine	Cloretazine	3/27/2014	leukemia	Inc.
529					
				Treatment of acute myelogenous	Vion Pharmaceuticals,
	laromustine	Onrigin	10/21/2004	leukemia	Inc.
530					
	Nine amino acid polypeptide			Treatment of acute myelogenous	
	derived from proteinase 3	n/a	9/3/2004	leukemia	The Vaccine Company
531					
	MLN4924-Inhibitor of Nedd8-			Treatment of acute myelogenous	
	activating enzyme (NAE)	n/a	2/4/2011	leukemia.	Pharmaceuticals
532	humanized monoclonal				
	antibody of the IgG4 kappa	,		Treatment of acute myeloid	
	isotype targeting CD47	n/a	8/20/2015	(myelogenous) leukemia.	Forty Seven, Inc.
	(S)-1-(6,7-Dihydro-5H-				
	benzo[6,7]cyclohepta[1,2-				
	c]pyridazin-3-yl)-N3-(7-				
	(pyrrolidin-1-yl)-6,7,8,9-				
	tetrahydro-5H-				
	benzo[7]annulen-2-yl)-1H-	,		Treatment of acute myeloid	
	1,2,4-triazole-3,5-diamine	n/a	11/5/2014	leukemia	BerGenBio AS
534	1-Cyclopropyl-3-[3-(5-				
	morpholin-4-ylmethyl-1H-				
	benzoimidazol-2-yl)-1H-	1 ,		Treatment of acute myeloid	Astex Therapeutics
	pyrazol-4-yl]-urea	n/a	11/12/2009	leukemia 	Ltd
535	2-(5-fluoro-2-methyl-1H-indol-				A
	3-yl)-1H-imidazo[4,5-f][1,10]			Treatment of acute myeloid	Aptose Biosciences,
	phenanthroline	n/a	6/1/2015	leukemia	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
536	2-[(6S)-4-(4-chlorophenyl)-				
	2,3,9-trimethyl-6H-thienol[3,2,-				
	f]-[1,2,4]triazolo[4,3-				
	a][1,4]diazepin-6-yl]-N-(4-				
	hydroxyphenyl)-acetamide			Treatment of acute myeloid	
	dihydrate	n/a	7/16/2014	•	OncoEthix SA
537	2-[[3-({4-[(5-{2-[(3-				
	Fluorophenyl)amino]-2-				
	oxoethyl}-1H-pyrazol-3-				
	yl)amino]-quinazolin-7-				
	yl}propyl](ethyl)amino]ethyl				
	dihydrogen phosphate			Treatment of acute myeloid	AstraZeneca
	trihydrate	n/a	1/19/2010	leukemia	Pharmaceuticals LP
538	4-cyano-N-[2-(1-cyclohexen-1-				
	yl)-4-[1-				
	[dimethylamino)acetyl]-4-				Jaharan O Jaharan
	piperidinyl]phenyl]-1H- imidazole-2-carboxamide			Treatment of acute muclaid	Johnson & Johnson Pharmaceutical
	monohydrochloride	n/a	7/20/2006	Treatment of acute myeloid	Research & Dev,
539	Infondityarochioride	11/ d	7/20/2006	leukeilla	Research & Dev,
339	4-{[(2R,3S,4R,5S)-4-(4-Chloro-2-				
	fluoro-phenyl)-3-(3-chloro-2-				
	fluoro-phenyl)-4-cyano-5-(2,2-				
	dimethyl-propyl)-pyrrolidine-2-				
	carbonyl]-amino}-3-methoxy-			Treatment of Acute Myeloid	
	,	n/a	5/19/2014	•	Roche Genentech
540					
	allogeneic ex-vivo generated				
	CD56+CD3-natural killer cells				
	from CD34+ umbilical cord			Treatment of acute myeloid	
	blood progenitor cells	n/a	4/20/2016	leukemia	IPD-Therapeutics BV

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
541					
		,	4/24/2044	Treatment of acute myeloid	Tolero
F 42	alvocidib	n/a	4/21/2014	leukemia	Pharmaceuticals, Inc.
542	Antisense 20-mer				
	oligonucleotide				
	complementary to R2				
	component of ribonucleotide			Treatment of acute myeloid	Lorus Therapeutics,
	reductase mRNA	n/a	4/15/2005	•	Inc.
543	reductase minut	117 0	17 137 2003	reaserma	THE.
0.0				Treatment of acute myeloid	Golden Biotechnology
	antroquinonol	Hocena(R)	4/30/2015	The state of the s	Corporation
544	·	, ,		Treatment of acute myeloid	·
	Azacitidine	Vidaza	6/18/2008	leukemia	Celgene Corporation
545				Treatment of acute myeloid	
	bisantrene HCl	n/a	2/14/2014	leukemia	Update Pharma, Inc.
546				Treatment of acute myeloid	
	cenersen	n/a	5/8/2006	leukemia	Eleos, Inc.
547					
	CNDO-109-activated	,	- 1 - 1	Treatment of acute myeloid	Coronado
	allogeneic natural killer cells	n/a	6/18/2012	leukemia	Biosciences, Inc.
548				T	Calata
	Cytarabine:daunorubicin	- /-	0/22/2000	Treatment of acute myeloid	Celator
F 40	liposome injection	n/a	8/22/2008	Treatment of acute myeloid	Pharmaceuticals, Inc.
549	Daunorubicin liposomal	n/a	9/5/2008	•	Diatos USA, LLC
550	Dauriorubiciii liposoffiai	II/ d	9/3/2008	leukeillia	Diatos OSA, LLC
	human fully IgG1 antibody			Treatment of acute myeloid	Boehringer Ingelheim
	specific for CD33	n/a	6/19/2014	•	Pharmaceuticals, Inc.
551	Human Wilms tumor protein 1		21 = 21 = 32 .	Treatment of acute myeloid	SELLAS Life Sciences
	peptides	n/a	12/23/2015	· ·	Group

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
552	humanized monoclonal				
	antibody that targets the a-				
	subunit of the human IL-3				
	receptor also known as the			T	La como Da como la O
	CD123 antigen; (JNJ-	n /n	F /F /201F	Treatment of acute myeloid	Janssen Research &
	56022473)	n/a	5/5/2015	Treatment of acute myeloid	Development, LLC
553	Lacharaginaco	n/a	3/27/2014	•	ERYTECH Pharma S.A.
554	L-asparaginase	II/ d	3/2//2014	leukeilila	Teva Branded
334				Treatment of acute myeloid	Pharmaceutical
	Lestaurtinib	n/a	3/24/2006		Products R&D, Inc.
555	Lestadi tillis	ii) u	3/24/2000	reakerina	Troducts Nab, me.
333				Treatment of acute myeloid	Callisto
	Liposomal annamycin	n/a	6/17/2005	•	Pharmaceuticals, Inc.
556	,	,	, ,		,
	liposomal P-ethoxy growth				
	factor receptor-bound protein			Treatment of acute myeloid	Bio-Path Holdings,
	2 antisense oligonucleotide	n/a	4/27/2015	leukemia	Inc.
557					
				Treatment of acute myeloid	NBI Pharmaceuticals,
	menatetrenone	Mk4	3/17/2011	leukemia	Inc.
558					Novartis
				Treatment of acute myeloid	Pharmaceuticals
	Midostaurin	n/a	7/7/2009	leukemia	Corporation
559					
	N-(2-amino-phenyl)-4-[(4-				
	pyridin-3-yl-pyrimidin-2-				
	ylamino)-methyl] benzamide	. 1-	2/4/2000	Treatment of acute myeloid	Mirati Therapeutics,
	dihydrobromide	n/a	2/1/2008	leukemia	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
560	N-(5-tert-Butylisoxazol-3-yl)-N'-				
	{4-[7-(2-(morpholin-4-				
	yl)ethoxy) imidazo[2,1-				
	b][1,3]benzothiazol-2-			Transfer and of a suda may alaid	Daiiahi Canlara
	yl]phenyl}urea di- hydrochloride salt	n/a	3/18/2009	Treatment of acute myeloid	Daiichi Sankyo Pharma Development
561	nyurociiioriue sait	11/ d	3/18/2009	leukeilla	Pharma Development
301	Nucleic acid aptamer binding			Treatment of acute myeloid	
		n/a	9/10/2009	_	Antisoma, Inc.
562					
	O2-(2,4-dinitrophenyl) 1-[(4-				
	ethoxycarbonyl)piperazin-1-			Treatment of acute myeloid	
	yl]diazen-1-ium-1,2-diolate	n/a	3/16/2012	leukemia	JSK Therapeutics, Inc.
563	recombinant human histone				
	H1.3; recombinant human N-			Treatment of acute myeloid	Xenetic Biosciences
	bis-met-histone H1.3	Oncohist	10/20/2008	•	Plc
564	bis frict filstoffe ff1.5	Officornist	10/20/2008	reacerna	T IC
	Replication-incompetent GM-				
	CSF-expressing gene-modified				
	allogeneic acute myeloid	Gvax Acute Myeloid		Treatment of acute myeloid	
	leukemia cancer cell lines	Leukemia	3/2/2010	leukemia	Aduro BioTech, Inc.
565	selective antagonist of the			Treatment of acute myeloid	
	chemokine receptor type 4	n/a	9/5/2013	leukemia	BioLineRx, Ltd.
566	- II. (-) - (-) (-)				
	Selinexor; (Z)-3-(3-(3,5-				
	bis(trifluoromethyl)phenyl)-1H-			Treatment of acute muclaid	Karyonharm
	1,2,4-triazol-1-yl)-N-(pyrazin-2-yl)acrylohydrazide	n/a	5/14/2014	Treatment of acute myeloid	Karyopharm Therapeutics, Inc.
	yı jacı yıdı iyul azlüe	II/a	5/14/2014	leukellila	merapeutics, inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
567	small molecule inhibitor of				
	histone methyltransferase			Treatment of Acute Myeloid	
	DOT1L	n/a	8/15/2013	Leukemia	Epizyme Inc.
568					Johnson & Johnson
				Treatment of acute myeloid	Pharmaceutical
	Tipifarnib	Zarnestra	7/6/2004		Research & Dev.
569		,		Treatment of acute myeloid	CTI BioPharma
	Tosedostat	n/a	12/10/2008		Corporation
570			4 /42 /2045	Treatment of acute myeloid	Bristol-Myers Squibb
574	ulocuplumab	n/a	1/12/2015	leukemia	Company
571					
				Treatment of a suta moved aid	Doob wingon In golb oing
	volasertib	m /n	4/14/2014	Treatment of acute myeloid	Boehringer Ingelheim
572	volasertib	n/a	4/14/2014	Геикетта	Pharmaceuticals, Inc.
3/2				Treatment of acute myeloid	Sunesis
	vosaroxin	n/a	10/28/2009	l '	Pharmaceuticals, Inc.
573	VOSATOXIII	ii/ a	10/28/2003	leukeiilia	r narmaceuticais, inc.
373				Treatment of acute myeloid	Kanisa
	Zosuquidar trihydrochloride	n/a	12/15/2005	-	Pharmaceuticals, Inc.
574	Zosaquiaai amiyaroomenac	11,4	12/13/2003	reakerna	That mace acreation in the
	131I-BC8 monoclonal antibody				
	(Anti-CD45 murine monoclonal				
	antibody radiolabeled with			Treatment of Acute Myeloid	Actinium
	1311	n/a	3/28/2016	Leukemia (AML)	Pharmaceuticals, Inc.
575			-, -,	Treatment of acute myeloid	111111111111111111111111111111111111111
	E-selectin antagonist	n/a	5/13/2015	leukemia (AML)	GlycoMimetics, Inc.
576	3			Treatment of acute myeloid	, , , , ,
	elacytarabine	n/a	6/18/2008	leukemia (AML)	Clavis Pharma ASA
577					
	isocitrate dehydrogenase 1			Treatment of acute myeloid	Agios
	(IDH1)-mutant inhibitor	n/a	6/9/2015	leukemia (AML)	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
578					
	N [/25] 2 2 dth day 2 2 2 1 2				
	N-[(2S)-2,3-dihydroxypropyl]-3-				
	[(2-fluoro-4- iodophenyl)amino]			Treatment of acute myeloid	
	isonicotinamide hydrochloride	n/a	1/12/2011	leukemia (AML).	EMD Serono, Inc.
579	isomeotinamide flydroefiloride	11/ d	1/12/2011	leukeilla (Alvie).	LIVID Serono, Inc.
373	2-(2-phenylvinyl)-4-[-				
	methylpiperazin-l-yl)]-6-(5-				
	methyl-2H-pyrazol-3-yl-amino)-			Treatment of acute myeloid	
	pyrimidine L(+) tartrate salt	n/a	1/29/2010	•	EntreMed, Inc.
580					
	6,8-bis-benzylsulfanyl-octanoic			Treatment of acute myeloid	Cornerstone
	acid	n/a	8/22/2011	leukemia.	Pharmaceuticals, Inc.
581					
	acetyl-D-arginyl-D-arginyl-D-				
	arginyl-D-arginyl-D-				
	arginyl-D-arginyl-D-arginyl-D-				
	arginyl-D-arginyl-D-cysteinyl-D-				
	glutaminyl-D-cystenyl-D-				
	arginyl-D-arginyl-D-lysyl-D-	. /-	44/24/2045	Treatment of acute myeloid	C C
582	asparaginylmaide disulfide	n/a	11/24/2015	Treatment of acute myeloid	Genus Oncology, LLC
582	echinomycin	n/a	5/21/2015	,	Oncolmmune, Inc.
583	Echinomycin	ιι, α	3/21/2013	ieukeiiia.	Oncommune, mc.
363				Treatment of acute myeloid	Astex
	guadecitabine	n/a	9/29/2015		Pharmaceuticals, Inc.
584	human interleukin-3		3,23,2013		
	genetically conjugated to			Treatment of acute myeloid	Stemline
	diphtheria toxin protein	n/a	2/18/2011	· · · · · · · · · · · · · · · · · · ·	Therapeutics, Inc.
585				Treatment of acute myeloid	
	inecalcitol	n/a	8/3/2015	leukemia.	Hybrigenics, S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
586				Treatment of acute myeloid	Trillium Therapeutics,
	tigecycline	n/a	10/23/2013	leukemia.	Inc.
587				Treatment of acute myeloid	
	vadastuximab talirine	n/a	11/10/2015		Seattle Genetics, Inc.
588				Treatment of acute myeloid	
	venetoclax	n/a	2/4/2016	leukemia.	AbbVie Inc.
589				Treatment of acute myeloid	
	pracinostat	n/a	2/27/2014	leulemia	MEI Pharma Inc.
590	Interferon beta-1a			Treatment of acute non-A, non-B	
	(recombinant human)	n/a	7/24/1992	hepatitis.	Biogen, Inc.
591				Treatment of acute osteomyelitis	
				in children (0 through 16 years of	Durata Therapeutics
	dalbavancin	Dalvance	3/30/2015	age)	International B.V.
592				Treatment of acute painful	
				sickling crises in patients with	
	pegylated carboxyhemoglobin	n/a	10/21/2010	sickle cell disease	Sangart, Inc.
593				Treatment of acute peripheral	Grifols Therapeutics,
	plasmin (human)	n/a	3/30/2009	arterial occlusion	Inc.
594	Hemin and zinc			Treatment of acute porphyric	Bonkovsky, Herbert L.
	mesoporphyrin	Hemex	12/20/1993	syndromes.	M.D.
595					
				Treatment of acute	Ligand
	Alitretinoin	Panretin	4/10/1992	promyelocytic leukemia	Pharmaceuticals, Inc.
596					
				Treatment of acute	
	Tamibarotene	n/a	10/11/2007	promyelocytic leukemia (APL).	CytRx Corporation
597				Treatment of acute	
	arsenic trioxide capsule (oral)	n/a	11/2/2015	promyelocytic leukemia.	Orsenix Holdings BV
598					
				Treatment of acute	NBI Pharmaceuticals,
	menatetrenone	Mk4(R)	11/2/2010	promyelocytic leukemia.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
599				Treatment of acute	Elan Drug Delivery,
	Phenylbutyrate	n/a	1/19/2000	promyelocytic leukemia.	Inc.
600					
	L-arginyl-L-isoleucyl-L-valyl-L-			Treatment of acute radiation	
	prolyl-L-alanine-amide	n/a	9/11/2013	-	Soligenix, Inc.
601				Treatment of acute radiation	Onconova
	recilisib sodium	Ex-Rad(R)	9/4/2012	syndrome	Therapeutics, Inc.
602	recombinant human			Treatment of acute radiation	
	interleukin-12	Hemamax	8/22/2016	syndrome	Neumedicines, Inc.
603				Treatment of acute rejection in	
				patients requiring allogenic lung	APT Pharmaceuticals,
	Cyclosporine	Pluminiq	11/25/2003	transplants	Inc.
604				Treatment of acute repetitive	
	propofol hemisuccinate	n/a	8/19/2016	seizures	EpaleX Corporation
605					
	diazepam subcutaneous			Treatment of acute repetitive	Xeris
	injection	Diazepen(Tm)	5/26/2016	seizures.	Pharmaceuticals, Inc.
606					PFC
					Development/New
				Treatment of acute respiratory	Alliance
	Perflubron	Liquivent(Tm)	4/26/2001	distress disease (ARDS) in adults	Pharmaceutical
607					
				Treatment of acute respiratory	
	calfactant	Infasurf	9/5/2000	distress syndrome (ARDS)	ONY, Inc.
608					
				Treatment of acute respiratory	Windtree
	Lucinactant	Surfaxin	7/17/1995	distress syndrome in adults.	Therapeutics, Inc.
609					
				Treatment of acute respiratory	
	Nitric oxide	n/a	7/10/1995	distress syndrome in adults.	INO Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
610					
				Treatment of Acute Respiratory	
	Vasoactive intestinal peptide	n/a	3/9/2001	Distress Syndrome.	mondoBIOTECH
611					
	(UDU-stereoisomer of c-UJUun		2/20/2006	Treatment of acute sensorineural	A C. Na disal Isa
642	UNU-terminal UkUnhibitor)	n/a	3/28/2006	hearing loss	Auris Medical, Inc.
612	anti human Nana Albuman			Tuestine at a first and a suite and	Novartis
	anti human Nogo-A human	- /-	10/20/2000	Treatment of acute spinal cord	Pharmaceuticals
C12	monoclonal antibody	n/a	10/20/2008	injury	Corporation
613				Treatment of acute spinal cord	Remedy
	glyburide	n/a	9/29/2015	•	Pharmaceuticals, Inc.
614	oligodendrocyte progenitor	ii/a	3/23/2013	Treatment of acute spinal cord	Asterias
014		n/a	2/2/2016	· · · · · · · · · · · · · · · · · · ·	Biotherapeutics
615	cens	117 0	2/2/2010	Treatment of acute spinal cord	TRB Chemedica
013	porcine GM1 ganglioside	n/a	12/3/2012	•	International S.A.
616	perente em gangnesiae	,	==, 0, =0 ==	, ,	international on it
	recombinant deriative of C3			Treatment of acute spinal cord	Vertex
	transferase	Cethrin	11/18/2005	<u> </u>	Pharmaceuticals, Inc.
617			, ,	, ,	,
				Treatment of acute subarachnoid	Remedy
	glyburide	n/a	2/8/2016	hemorrhage	Pharmaceuticals, Inc.
618				-	
				Treatment of adenocarcinoma of	Sanofi-Aventis US,
	Tezacitabine	n/a	1/27/2003	the esophagus and stomach	Inc.
619					
				Treatment of adenocarcinoma of	
	G17DT Immunogen	Gastrimmune(Tm)	7/10/2002	the pancreas	Cancer Advances, Inc.
620					
				Treatment of adenocarcinoma of	_
	Inalimarev and falimarev	n/a	1/10/2006	the pancreas	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
621					
				Treatment of adenocarcinoma of	
	DOXO-EMCH	n/a	4/18/2011	the pancreas.	CytRx Corporation
622					Novartis
				Treatment of adenoid cystic	Pharmaceuticals
	dovitinib	n/a	9/26/2013		Corporation
623				Treatment of adenosine	
	(monomethoxypolyethylene			deaminase deficiency in patients	
	glycol) recombinant adenosine	,	- / /	with severe combined	Sigma-Tau
		n/a	3/19/2015	immunodeficiency	Pharmaceuticals, Inc.
624	autologous bone marrow				
	CD34+ cells transduced ex vivo				
	with a self activating HIV-1 -			Treatment of adenosine	
	based lentiviral vector, EFS-	,		deaminase deficient severe	Donald B. Kohn, MD -
	ADA	n/a	10/21/2014	combined immunodeficiency	Professor, UC-UCLA
625	hydrocortisone modified		6/10/2000	Treatment of adrenal	Shire ViroPharma,
60.6	release tabs	Duocort	6/18/2008	insufficiency	Inc.
626	hydrocortisone modified	(5)	0/2/2015	Treatment of adrenal	D: 1111
627	release capsules	Chronocort(R)	9/3/2015	insufficiency.	Diurnal Ltd.
627	(2) (2) (3) (4) (4) (4)				
	(N-[2,6-bis(1-methylethyl)-				
	pheyl-N'-[[1-4-dimethyl-				
	amino)phenyl]cyclopentyl]met	,		Treatment of adrenocortical	
620	, , ,	n/a	3/9/2012	carcinoma	Atterocor, Inc.
628	Glyceryl trioleate and glyceryl	/ -	2/44/4005	Treatment of	Massa Hussi M. A.S.
630	trierucate	n/a	2/14/1995	adrenoleukodystrophy.	Moser, Hugo W. M.D.
629	L-2-oxothiazolidine-4-			Treatment of adult requireters	Transcand
		Dragustaina	6/14/1004	Treatment of adult respiratory	Transcend
630	carboxylic acid	Procysteine	6/14/1994	distress syndrome.	Therapeutics, Inc.
030				Treatment of adult recairaters	Pyk Guldon
	rCD Clung curfoctont	Vonticuto	4/2/2000	Treatment of adult respiratory	Byk Gulden
	rSP-C lung surfactant	Venticute	4/3/2000	distress syndrome.	Pharmaceuticals

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631	N-acetyl-glucosamine			Treatment of adult Tay-Sachs	
	thiazoline	n/a	2/6/2006		ExSAR Corporation
632				Treatment of adult T-cell	
	brentuximab vedotin	n/a	5/23/2016	leukemia/lymphoma	Seattle Genetics, Inc.
633					Kyowa Kirin
				Treatment of adult T-cell	Pharmaceutical
	mogamulizumab	n/a	7/14/2011	leukemia/lymphoma (ATLL).	Development, Inc.
634				Treatment of advanced	
				malignant melanoma (Stages	
	oblimersen	Genasense	7/31/2000	II,III, IV).	Genta, Inc.
635					
	vascular endothelial growth			Treatment of advanced	
	factor 165b	n/a	6/24/2008	melanoma stages IIb through IV.	PhiloGene, Inc.
636				Treatment of advanced	Schering-Plough
	Temozolomide	Temodal	10/14/1998	metastatic melanoma.	Research Institute
637					
				Treatment of advanced or	
				metastatic transitional cell	Allos Therapeutics,
	pralatrexate	n/a	5/3/2010	carcinoma of the urinary bladder	Inc.
638	Polyribonucleotide; Polyribo-				
	inosinic/-cyclidylic/-uridylic				Hemispherx
	acid	Ampligen	7/19/1988	Treatment of AIDS	Biopharma, Inc.
639					
	Recombinant soluble human			Treatment of AIDS in patients	
	CD4 (rCD4)	n/a	3/23/1989	infected with HIV virus.	Genentech, Inc.
640					
	Methionine/L-methionine	n/a	8/21/1996	Treatment of AIDS myelopathy.	Genopia USA, Inc.
641	Recombinant human CD4			Treatment of AIDS resulting from	
	immunoglobulin G	n/a	8/30/1990	infection with HIV-1.	Genentech, Inc.
642					Connaught
	Diethyldithiocarbamate	Imuthiol	4/3/1986	Treatment of AIDS.	Laboratories

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643					
	Human T-lymphotropic virus				
	type III Gp160 antigens	Vaxsyn Hiv-1	11/20/1989	Treatment of AIDS.	MicroGeneSys, Inc.
644					National Cancer
	Zalcitabine	n/a	12/9/1986	Treatment of AIDS.	Institute, DCT
645					Telluride
				Treatment of AIDS-associated	Pharmaceutical
	Reduced L-glutathione	Cachexon	2/14/1994	cachexia.	Corporation
646					
	S-adenosylmethionine	n/a	4/30/1998	Treatment of AIDS-myelopathy.	Genopia USA, Inc.
647				Treatment of AIDS-related	Hastings, Donald
	Bovine colostrum	n/a	11/19/1990		DVM
648				Treatment of AIDS-related	Implicit Bioscience
	L-glutamyl-L-tryptophan	n/a	10/20/1999	Kaposi's sarcoma.	Pty Ltd
649					
				Treatment of AIDS-related	Baker Norton
	Paclitaxel	Paxene	4/15/1997	Kaposi's sarcoma.	Pharmaceuticals, Inc.
650					
					Glaxo Group Limited,
	carboxy pyrrolidine hexanoyl				England d/b/a
	pyrrolidine carboxylate	n/a	2/10/2015	Treatment of AL amyloidosis	GlaxoSmithKline
651	N-(3,4-dihydroxyphenyl)-3,4-	,			
	dihydroxybenzamide	n/a	10/15/2014	Treatment of AL Amyloidosis	ProteoTech, Inc.
652]				
	recombinant monoclonal				Glaxo Group Limited,
	antibody to human serum] ,			England d/b/a
	amyloid P component	n/a	2/10/2015	Treatment of AL amyloidosis	GlaxoSmithKline

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
653	,				
	(4R,5R)-1-[[4-[[4-[3,3-Dibutyl-7-				
	(dimethylamino)-2,3,4,5-				
	tetrahydro-4-hydroxy-1,1- dioxido-1-benzothiepin-5-				
	yl]phenoxy]methyl]phenyl]met				
	hyl]-4-aza-l-				
	azoniabicyclo[2.2.2]octane				Shire Human Genetic
	Chloride	n/a	9/4/2013	Treatment of alagille syndrome	Therapies, Inc.
654				, , , , , , , , , , , , , , , , , , ,	, ,
	Nitisinone	Orfadin	10/19/2001	Treatment of alkaptonuria	Swedish Orphan AB
655					
				Treatment of all uncomplicated	
	paromomycin			cutaneous leishmaniasis (both	Office of the Surgeon
	sulfate/gentamicin sulfate	n/a	1/18/2008	New World and Old World)	General
656				Treatment of Alley House	Zovice
	3,5-diiodothyropropionic acid	n/a		Treatment of Allan-Herndon- Dudley syndrome	Zarion Pharmaceuticals P/L
657	5,5-undudinyropropionic acid	11/ d	3/14/2013	Treatment of allograft rejection,	Filarifiaceuticals F/L
037				including solid organ (kidney,	
				liver, heart, lung, and pancreas)	
		Nashville Rabbit Anti-		and bone marrow	Applied Medical
	Anti-thymocyte serum	Thymocyte Serum	6/2/1993	transplantation.	Research
658	double stranded oligomer				
	AD00370 RNA interference-				
	based liver targeted			Treatment of Alpha-1 Antitrypsin	Arrowhead Research
	therapeutic	n/a	6/9/2015	deficiency	Corporation
659					
	recombinant adeno-associated	D. A. A.		•	Applied Genetic
	virus alpha 1-antitrypsin vector	Kaav-Aat	1/27/2003	deficiency	Technologies Corp.

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660					
				Treatment of alpha-galactosidase	
	Alpha-galactosidase A	Cc-Galactosidase	6/17/1991	A deficiency (Fabry's disease).	David Calhoun, Ph.D.
661	Recombinant human alpha- mannosidase	n/2	2/2/2006	Treatment of alpha-mannosidosis	Chiasi LICA Inc
662	mannosidase	n/a	2/2/2006	Treatment of alpha-mannosidosis	Cillesi USA, IIIC.
002	single stranded, chemically modified oligonucleotide that binds to and inhibits the				Regulus Therapeutics,
	function of micro RNA-21	n/a	7/17/2014	Treatment of Alport syndrome	Inc.
663				Treatment of alternating	Marathon
	flunarizine	n/a	6/24/2013	hemiplegia	Pharmaceuticals, LLC
664	flunarizine	Sibelium	1/6/1986	Treatment of alternating hemiplegia.	Janssen Research Foundation
665	silibinin-C-2',3- dihydrogensuccinate, disodium salt	Legalon(R) Sil	9/11/2014	'	Meda Pharmaceuticals, Inc.
666				·	Ctr for Discovery &
	auranofin	Ridaura	4/30/2010	Treatment of amebiasis	Innovation in Parasitic Diseas
667	corifungin	n/a	8/22/2011	Treatment of amebic meningoencephalitis.	Ctr for Discovery & Innovation in Parasitic Diseas
668	Geneticin	n/a	6/6/2005	Treatment of amoebiasis.	ProcesScience, Inc (PSI)
669	2'-O-methyl phosphorothioate 5'- GCUAGGUUUACGGGACCUCU- 3'	n/a	10/31/2012	Treatment of amyotrophic lateral sclerosis	LifeSplice Pharma LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
670					
	Allogeneic motor neuron				
	progenitor cells derived from			Treatment of Amyotrophic	California Stem Cell
	human embryonic stem cells	Motorgraft (Tm)	1/17/2014	Lateral Sclerosis	Inc.
671				Treatment of amyotrophic lateral	
	arimoclomol	n/a	3/29/2005	sclerosis	CytRx Corporation
672					
	autologous adipose derived			Treatment of amyotrophic lateral	
	mesenchymal stromal cells	n/a	10/22/2014		Mayo Clinic
673	autologous olfactory neural			Treatment of amyotrophic lateral	
	progenitors	Rhinocytes	12/31/2008		RhinoCyte, Inc.
674	caprine hyperimmune serum			Treatment of amyotrophic lateral	
	against HIV lysate	n/a	10/28/2009		Limited
675				Treatment of amyotrophic lateral	
	Ceftriaxone sodium	Rocephin	3/28/2006		Hospital
676				Treatment of amyotrophic lateral	
	creatine	Creapure	2/12/2002		Avicena Group, Inc.
677				Treatment of amyotrophic lateral	Knopp Biosciences
	dexpramipexole	n/a	10/11/2007	sclerosis	LLC
678	DNA plasmid vector (pCK-				
	HGFX7) expressing human			Treatment of amyotrophic lateral	
	hepatocyte growth factor	n/a	2/6/2014		ViroMed Co., Ltd.
679				Treatment of amyotrophic lateral	
	edaravone	n/a	3/12/2015	sclerosis	Treeway B.V.
680					
				Treatment of amyotrophic lateral	
	edaravone	n/a	5/12/2015	sclerosis	Pharma Corporation
681					
	ex-vivo expanded autologous				
	bone marrow-derived			Treatment of Amyotrophic	TCA Cellular Therapy,
	mesenchymal stem cells	n/a	12/20/2010	Lateral Sclerosis	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
682				Treatment of amyotrophic lateral	Warner-Lambert
	gabapentin	Neurontin	7/5/1995	sclerosis	Company
683				Treatment of amyotrophic lateral	
	Heat Shock Protein 70	n/a	3/18/2011	sclerosis	ALS Biopharma, LLC
684	human glial restricted				
	progenitor cells and their			Treatment of amyotrophic lateral	
	progeny	Q-Cells	9/11/2013	sclerosis	Q Therapeutics, Inc.
685	human spinal cord derived			Treatment of amyotrophic lateral	
	neural stem cells	n/a	2/4/2011	sclerosis	Neuralstem, Inc.
686	hydrocinnamate-[Orn-Pro-			Treatment of amyotrophic lateral	
	dCha-Trp-Arg](CH3COO)	n/a	3/9/2015	sclerosis	Alsonex Pty Ltd
687					
	mesenchymal stromal cells			Treatment of Amyotrophic	BrainStorm Cell
	secreting neurotrophic factors	Nurown	2/4/2011	Lateral Sclerosis	Therapeutics Ltd.
688				Treatment of amyotrophic lateral	NeoDiagnostic
	NDX-peptides	n/a	12/14/2010	sclerosis	Research Ltd
689	oligopeptide containing 6				Genervon
	amino acids (H-Phe-Ser-Arg-			Treatment of amyotrophic lateral	Biopharmaceuticals,
	Tyr-Ala-Arg-OH)	n/a	2/27/2014	sclerosis	LLC
690				Treatment of amyotrophic lateral	
	Oxaloacetic acid	n/a	11/18/2015	sclerosis	Terra Biological LLC
691					
	recombinant human cerebral			Treatment of amyotrophic lateral	
	dopamine neurotrophic factor	n/a	6/8/2016	sclerosis	Herantis Pharma Plc
692					
	recombinant human vascular			Treatment of amyotrophic lateral	
	endothelial growth factor	n/a	6/7/2010	sclerosis	NeuroNova AB
693					
	repository corticortropin			Treatment of amyotrophic lateral	Questor
	injection	H.P. Acthar Gel	6/28/2013		Pharmaceuticals, Inc.
694				Treatment of amyotrophic lateral	
	smilagenin	Cogane	7/21/2011	sclerosis	Junaxo, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
695				Treatment of amyotrophic lateral	
	superoxide dismutase, gliadin	Etr019	4/30/2010	sclerosis	Verius Limited
696	[5,10,15,20-tetrakis(1,3-diethylimidazolium-2-yl)porphyrinato]			Treatment of Amyotrophic	Aeolus
	manganese(III)pentachloride	n/a	11/4/2003	Lateral Sclerosis	Pharmaceuticals, Inc.
697	filgrastim	n/a	1/27/2015	Treatment of amyotrophic lateral sclerosis (ALS)	Neurovision Pharma GmbH
698	tirasemtiv	n/a	3/2/2010	Treatment of amyotrophic lateral sclerosis (ALS)	Cytokinetics Inc.
699	glatiramer acetate	Copaxone	11/14/2007	Treatment of amyotrophic lateral sclerosis (ALS).	Teva Neurosciences, Inc.
700	Mononuclear enriched fraction of human umbilical cord blood		9/15/2015	Treatment of amyotrophic lateral sclerosis (ALS).	Saneron CCEL Therapeutics, Inc.
701	Cyclosporin A	Mitogard		Treatment of amyotrophic lateral sclerosis and its variants	Maas Biolab,LLC
702	Branched chain amino acids	n/a	12/23/1988	Treatment of amyotrophic lateral sclerosis.	Mount Sinai Medical Center
703	Ciliary neurotrophic factor	n/a	1/30/1992	Treatment of amyotrophic lateral sclerosis.	Regeneron Pharmaceuticals Inc
704	L-2-oxothiazolidine-4-			Treatment of amyotrophic lateral	Transcend
	carboxylic acid	Procysteine	7/30/1996	sclerosis.	Therapeutics, Inc.
705	masitinib mesylate	n/a	3/18/2015	Treatment of amyotrophic lateral sclerosis.	AB Science
706	noscapine	n/a	12/29/2015	Treatment of amyotrophic lateral sclerosis.	KineMed Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
707					
	Recombinant methionyl brain-			Treatment of amyotrophic lateral	
	derived neurotrophic factor	n/a	11/28/1994		Amgen, Inc.
708				Treatment of amyotropic lateral	PCUT BioPartners,
	mecasermin rinfabate	Iplex	7/23/2012	sclerosis	Inc.
709	2-Pyrazinecarbonitrile, 5-[[5-2-(3-aminopropoxy)-6-methoxyphenyl]-1H-pyrazol-3-yl]amino] monomesylatemonohydrate	n/a	4/9/2015	Treatment of anal cancer	Eli Lilly and Company
710	mononyarace	117 G	4/3/2013	Treatment of and carreer	Orbus Therapeutics,
, 10	Eflornithine	n/a	9/29/2006	Treatment of anaplastic glioma	Inc.
711		,		Treatment of anaplastic large cell	
	crizotinib	Xalkori	9/28/2012	lymphoma	Pfizer, Inc.
712	(10R)-7-amino-12-fluoro- 2,10,16-trimethyl-15 oxo- 10,15,16,17-tetrahydro-2H-8,4- (metheno)pyrazolo[4,3- h][2,5,11]benzoxadiazacyclote tradecine-3-carbonitrile	n/a	6/23/2015	Treatment of anaplastic lymphoma kinase (ALK)-positive or ROS1-positive non-small cell lung cancer	Pfizer, Inc.
713	brigatinib	n/a	4/28/2016	0 11 1	ARIAD Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
714					
				Treatment of anaplastic thyroid	
				cancer, medullary thyroid cancer,	
				and stage IV papillary or follicular	Mateon Therapeutics,
	Combretastatin A4 Phosphate	n/a	7/23/2003	thyroid cancer	Inc.
715				Treatment of anaplastic thyroid	
				carcinoma and advanced	
				papillary thyroid cancer whose	
				tumors harbor a BRAF V600	
	vemurafenib	Zelboraf	11/26/2013		Genentech, Inc.
716				Treatment of anatomically	
				accessible oral cancers (lip,	
				tongue, gum, floor of mouth,	
				salivary gland, and other oral	
	Cisplatin ChemoThin Wafer	n/a	11/3/2015	cavity)	Privo Technologies
717	autologous CD34+				
	hematopoietic stem cells				
	tranduced with lentiviral				
	vector Lenti-D encoding the			Treatment of	
	human ABCD1 cDNA	n/a	4/19/2012	andrenoleukodystrophy	bluebird bio, Inc.
718				_	R. W. Johnson
				Treatment of anemia associated	Pharmaceutical
	Epoetin alpha	Procrit	8/27/1987	with end stage renal disease.	Research Institute
719					
				Treatment of anemia associated	
	Epoetin beta	Marogen	10/22/1987	with end stage renal disease.	Chugai-USA, Inc.
720					
	Erythropoietin (recombinant	,	0/10/:	Treatment of anemia associated	McDonnell Douglas
	human)	n/a	8/19/1987	with end stage renal disease.	Corp

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721	sotatercept	n/a	4/28/2014	Treatment of anemias associated with myelodysplastic syndrome and myelodysplastic/myeloproliferati ve neoplasms.	Celgene Corporation
722	recombinant adeno-associated virus serotype 9 vector containing the transgene UBE3A encoding for ubiquitin protein ligase E3A/E6-AP		10/29/2015	Treatment of Angelman	Agilis Biotherapeutics,
723	PEG-b-PLA micelles containing (1) paclitaxel, (2) sirolimus (rapamycin) and (3) tanespimycin (17-AAG)(also known as: triolimus)	n/a		Treatment of angiosarcoma	Co-D Therapeutics,
724	ataluren	n/a		Treatment of aniridia	PTC Therapeutics, Inc.
725	Brimonidine	Alphagan	2/7/2000	Treatment of anterior ischemic optic neuropathy.	Allergan, Inc.
726	Recombinant fully human monoclonal antibody to anthrax protective antigen	Valortim	2/16/2006	Treatment of anthrax infection	PharmAthene, Inc.
727	Bacitracin	Altracin	3/13/1984	Treatment of antibiotic- associated pseudomembranous enterocolitis caused by toxins A and B elaborated by Clostridium difficile.	A. L. Laboratories, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
728	antagonist of the complement 5a receptor	n/a	6/2/2014	Treatment of anti-neutrophil cytoplasmic autoantibodies associated vasculitides (granulomatosis with polyangiitis or Wegener's granulomatosis), microscopic polyangiitis, and Churg-Strauss syndrome.	ChemoCentryx, Inc.
729	Recombinant human	n/a	4/6/2000	Treatment of antithrombin III dependent heparin resistance requiring anticoagulation.	AT III LLC
730	adult hemogenic endothelial cells	n/a		Treatment of aplastic anemia	HemoGenyx LLC
731	allogeneic ex-vivo expanded placental adherent stromal cells	n/a	2/18/2013	Treatment of Aplastic Anemia	Pluristem Therapeutics, Inc.
732	Etiocholanedione	n/a	11/3/1995	Treatment of aplastic anemia.	SuperGen, Inc.
733	Dextran sulfate sodium	n/a	11/19/1987	Treatment of aquired immunodeficiency syndrome.	Ueno Fine Chemicals Industry, Ltd.
734	pegylated human recombinant arginase I	n/a	3/16/2015	Treatment of arginase I deficiency (hyperargininemia).	AERase, Inc.
735	recombinant, adeno- associated virus serotype 2 vector carrying linear single- stranded AADC mRNA cDNA	n/a	6/8/2016	Treatment of aromatic L-amino acid decarboxylase deficiency.	Agilis Biotherapeutics,

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736					
				Treatment of ascites due to all	PharmalN
	PGC-C12E-terlipressin	n/a	12/27/2012	etiologies except for cancer	Corporation
737	IL-4 Pseudomonas Toxin				
	Fusion Protein (IL-4(38-37)-	,	. / . /		Medicenna
	PE38KDEL)	n/a	4/6/2000	Treatment of astrocytic glioma.	Therapeutics, Inc.
738			- / /		
	ranagengliotucel-L	Glionix(Tm)	5/29/2009	Treatment of astrocytic tumors	NovaRx Corporation
739		,	10/=/001=	Treatment of Ataxia	Grace Therapeutics,
	betamethasone	n/a	10/7/2015	Telangiectasia.	LLC
740	dexamethasone sodium				
	phosphate encapsulated in	,	7/24/2042	Treatment of ataxia-	5 5 10 4
=	autologous erythrocytes	n/a	//24/2012	telangiectasia	EryDel S.p.A.
741	antagonist of the complement	,		Treatment of atypical hemolytic	
	5a receptor	n/a	11/17/2014	uremic syndrome	ChemoCentryx, Inc.
742					
				Treatment of atypical hemolytic	
	recombinant human minibody			uremic syndrome associated with	
	against complement	A. A. J. (D)	6/7/2011	an inherited abnormality of the	
	component	Mubodina(R)		complement system.	Adienne S.A
743	Fluoxetine	Prozac	4/30/1999	Treatment of autism.	Neuropharm, Ltd.
744					
	humanized IgG4 monoclonal				
	antibody against total			T	T. Alada
	complement component 1,	,	7/27/2046	Treatment of autoimmune	True North
7.45	subcomponent s (C1s)	n/a	//2//2016	hemolytic anemia (AIHA)	Therapeutics, Inc.
745				T	Ati-
	D ins and	/-	2/40/2044	Treatment of autoimmune	Accentia
746	Revimmune	n/a	2/18/2011	hemolytic anemia.	Biopharmaceuticals
746				Treatment of outside many	TaiwanJ
		- /a	4 /42 /2045	Treatment of autoimmune	Pharmaceuticals Co.,
	naltrexone	n/a	1/13/2015	nepatitis	Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
747				Treatment of autosomal	
	sodium ascorbate and			dominant polycystic kidney	IC-MedTech
	menadione sodium bisulfite	Apatone	4/15/2013		Corporation
748				Treatment of autosomal	Otsuka
				dominant polycystic kidney	Pharmaceuticals Co.,
	tolvaptan	Samsca	4/6/2012	disease	Ltd.
749					
				Treatment of autosomal	IC-MedTech
	menadione sodium bisulfite	n/a	5/14/2014	dominant polycystic liver disease	Corporation
750					
	sodium ascorbate and			Treatment of autosomal	IC-Medtech
	menadione sodium bisulfite	Apatone	4/15/2013	dominant polycystic liver disease	Corporation
751					
				Treatment of basal cell	HedgePath
	Itraconazole	n/a	5/19/2016	carcinoma nevus syndrome.	Pharmaceuticals, Inc
752				Treatment of B-cell acute	
	inotuzumab ozogamicin	n/a	3/25/2013	lymphoblastic leukemia	Pfizer, Inc.
753	Murine MAb (Lym-1) and				
	lodine 131-I radiolabeled				
	murine MAb (Lym-1) to human			Treatment of B-cell non-	Peregrine
	B-cell lymphoma	Oncolym	11/27/1998	Hodgkin's lymphoma.	Pharmaceuticals, Inc.
754	3-fluoro-5-[5-(2-menthyl-				
	thiazol-4-ylethylnyl)-pyridin-2-			Treatment of behavioral	
	yl]-benzonitrile			abnormalities associated with	
	dihydrochloride	n/a	7/28/2008	fragile X syndrome.	Seaside Therapeutics
755					
	adalimumab	n/a	7/10/2014	Treatment of Behcet's disease	Mucora
756					
	apremilast	n/a	1/17/2013	Treatment of Behcet's disease	Celgene Corporation
757					
	gevokizumab	n/a	7/27/2010	Treatment of Behcet's disease	XOMA (US) LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
758					HanAll BioPharma
	Hanferon	Hanferon	3/9/2012	Treatment of Behcet's disease	Co., Ltd.
759	Natural human lymphoblastoid interferon-alpha	n/a	1/18/2000	Treatment of Behcet's disease	Amarillo Biosciences, Inc.
760					
	pentoxifylline	n/a	6/14/2012	Treatment of Behcet's disease	Keck Graduate Institute of Applied Life Sciences
761	Colchicine	n/a	9/25/2007	Treatment of Behcet's Syndrome	AR Scientific, Inc.
762					
	ع المارية	n /n	C /10 /2000	Transfer and of base the lease wait	HemaQuest
763	2 dimethylbutyrate	n/a	6/18/2008	Treatment of beta thalassemia	Pharmaceuticals, Inc.
703	Isobutyramide	Isobutyramide Oral Solution	12/18/1992	Treatment of beta- hemoglobinopathies and beta- thalassemia syndromes.	Perrine, Susan P., M.D.
764	Arginine butyrate	n/a	4/7/1992	Treatment of beta- hemoglobinopathies and beta- thalassemia.	Perrine, Susan P., M.D.
765	sotatercept	n/a	12/5/2013	Treatment of beta-thalassemia intermedia and major	Celgene Corporation
766	Lentiviral vector encoded with a human beta-globin gene plasmid	Thalagen	1/11/2006	Treatment of beta-thalassemia major and beta-thalassemia intermedia	Memorial Sloan- Kettering Cancer Center
767	sirolimus	n/a		Treatment of beta-thalassemia.	Rare Partners srl Impresa Sociale
768	DEAE-rebeccamycin	n/a	3/1/2004	Treatment of bile duct tumors	Helsinn Healthcare SA

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
769				Treatment of black widow spider	Instituto Bioclon, S.A.
	Latrodectus immune F(ab)2	Analatro	6/18/2001	envenomations	de C.V.
770	autologous neo-uninary conduit	n/a	6/7/2011	Treatment of bladder dysfunction requiring incontinent urinary diversion.	Tengion, Inc.
771	human interleukin-3			Treatment of blastic	
	genetically conjugated to			plasmacytoid dendritic cell	Stemline
	diphtheria toxin protein	n/a	6/6/2013	neoplasm	Therapeutics, Inc.
772				Treatment of bleeding	
	Sodium tetradecyl sulfate	Sotradecol	6/10/1986	esophageal varices.	Elkins-Sinn, Inc.
773	Somatostatin	n/a	12/22/1994	Treatment of bleeding esophageal varices.	Eumedica Pharmaceuticals A.G. (Schweiz)
774				Treatment of bleeding	Ferring Laboratories,
	Terlipressin	Glypressin	3/6/1986	esophageal varices.	Inc.
775	Recombinant human fibrinogen	n/a	10/4/2007	Treatment of bleeding in patients deficient in fibrinogen	Pharming Technologies B.V.
776	Fluoxetine	Prozac	4/14/2004	Treatment of body dysmorphic disorder in children and adolescents	Hollander, Eric MD
777	humanized monoclonal antibodies hu1B7 and hu11E6	n/a			Synthetic Biologics,

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
778			F /n /2006	Treatment of bouts of increased seizure activity in selected refractory patients with epilepsy who are on stable regimens of anti-epileptic drugs and who require intermittent use of	
779	midazolam Liposome encapsulated	n/a	5/8/2006	midazolam Treatment of brain and CNS	UCB, Inc Oncothyreon Canada,
773	recombinant interleukin-2	n/a	11/25/1991		Inc.
780	paclitaxel aqueous gel	Oncogel (Tm)		Treatment of brain cancer.	BTG International Inc.
781	veliparib	n/a	12/17/2014	Treatment of brain metastases when used in combination with DNA-damaging agents	AbbVie Inc.
782	trans sodium crocetinate	n/a	12/3/2012	Treatment of brain metastasis	Diffusion Pharmaceuticals, LLC
783	[α⿿N-(2⿿succinyl- paclitaxel)Thr]-Phe-Phe-Tyr- Gly-Gly-Ser-Arg-Gly-[ε⿿N- (2â¿¿succinyl-paclitaxel)Lys]- Arg-Asn-Asn-Phe-[ε⿿N- (2â¿¿succinyl-paclitaxel)Lys]- Thr-Glu-Glu-Tyr	n/a	4/15/2015	Treatment of breast cancer patients with brain metastases	Angiochem, Inc.
784	Alpha1-antitrypsin(human)	n/a	4/3/2008	Treatment of bronchiectasis	Kamada Ltd.
785	doxofylline	n/a	2/14/2014	Treatment of bronchiectasis	Alitair Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
786					
				Treatment of bronchiectasis in	
				patients with Pseudomonas	
				aeruginosa or other susceptible	
	liposomal amikacin	Arikace	8/25/2009	microbial pathogens	Insmed, Inc.
787				Treatment of bronchiectasis	Novartis
				patients infected with	Pharmaceuticals
	Tobramycin	Tobi	6/18/1999	Pseudomonas aeruginosa.	Corp.
788					
					Alitair
	erdosteine	n/a	12/20/2013	Treatment of bronchiectasis.	Pharmaceuticals, Inc.
789				Treatment of bronchiolitis	
	liposomal cyclosporine	n/a	5/11/2009	obliterans	PARI Pharma GmbH
790					
				Treatment of bronchopulmonary	Windtree
	Lucinactant	Surfaxin	10/21/2005	dysplasia in premature infants.	Therapeutics, Inc.
791					
	Secretory leukocyte protease			Treatment of bronchopulmonary	
	inhibitor	n/a	6/30/1992	dysplasia.	Synergen, Inc.
792					
				Treatment of bronchopulmonary	
				infection in patients with cystic	
				fibrosis who are colonized with	
				Pseudomonas aeruginosa or	
	Doripenem	n/a	7/16/2004	Burkholderia cepacia.	Shionogi, Inc.
793					
				Treatment of bronchopulmonary	
				Pseudomonas aeruginosa	
				infections in cystic fibrosis	
	liposomal amikacin	Arikace	3/9/2006	patients	Insmed, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
794	recombinant fusion protein				
	consisting of a modified form				
	of the extracellular domain of				
	human activin receptor IIB				
	(ActRIIB) linked to a human	. /-	2/44/2042	Total control of Bulleton of	
795	lgG1 Fc domain	n/a	3/11/2013	Treatment of B-thalassemia	Celgene Corporation
795	autologous CD34+				
	hematopoietic stem cells				
	transduced with LentiGlobin				
	BB305 lentiviral vector				
	encoding the human BA-T87Q-			Treatment of B-thalassemia	
		n/a	3/18/2013	major and intermedia	bluebird bio, Inc.
796	autologous adipose tissue				
	derived mesenchymal stem	,		Treatment of Buerger's disease	Biostar Stem Cell
	cells	n/a		(thromboangiitis obliterans).	Research Institute
797	sultured skip substitute (CSS)	Novaderm		Treatment of burns requiring skin	Dogonicin Inc
798	cultured skin substitute (CSS)	Novaderm	8/22/2016	graiting.	Regenicin Inc.
738	S3,S13-cyclo(D-tyrolsyl-L-				
	isoleucyl-L-cysteinyl-L-valyl-1-				
	methyl-L-tryptophyl-L-				
	glutaminyl-L-aspartyl-L-				
	tryptophyl-N-methyl-L-glycyl-L-				
	alanyl-L-histidyl-L-arginyl-L-				
	cysteinyl-N-methyl-L-				Amyndas
	isoleucinamide	n/a	11/16/2015	Treatment of C3 glomerulopathy.	Pharmaceuticals
799	hexasodium phytate	n/a	12/2/2012	Treatment of calciphylaxis	Laboratoris Sanifit, S.L.
800					Nu Science Trading,
	menaquinone	Menaquinonegold	9/4/2012	Treatment of calciphylaxis	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
801					
	sodium thiosulfate	n/a	11/19/2012	Treatment of calciphylaxis	Edinburg BioQuarter
802				Treatment of cancer of the	Reidenberg, Marcus
	Gossypol	n/a	10/22/1990	adrenal cortex.	M. M.D.
803	Liposome encapsulated			Treatment of cancers of the	Oncothyreon Canada,
	recombinant interleukin-2	n/a	6/20/1994	kidney and renal pelvis	Inc.
804	Echinocandin B,1-[(4R,5R)-4-hydroxy-N2-[[4"-(pentyloxy)[1,1':4',1"-terphenyl]-4-yl]carbonyl]-5-[2-(trimethylammonio)ethoxy]-Lornithine]-4-[(4S)-4-hydroxy-4-(4-hydroxyphenyl)-Lallothreonine] Recombinant human C1	n/a	2/8/2016	Treatment of capillary leakage	Cidara Therapeutics, Inc. Pharming
906	inhibitor	n/a	6/9/2006	syndrome	Technologies B.V.
806	2-(3-Diethylaminopropyl)-8,8- dipropyl-2-azaspiro[4,5] decane dimaleate	Atiprimod	9/18/2006	Treatment of carcinoid tumors	Callisto Pharmaceuticals, Inc.
807	Imiquimod	n/a	12/3/2014	Treatment of carcinoma in situ (CIS) of the urinary bladder	UroGen Pharma Ltd
808					
	Hemoximer (pyridoxalated				
	hemoglobin polyoxyethylene)	n/a	12/18/2007	Treatment of cardiogenic shock	Apex Bioscience, Inc.
809	Tilarginine acetate	n/a	4/11/2005	Treatment of cardiogenic shock	Arginox Pharmceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
810					
				Treatment of cardiomyopathy	
				associated with	
				dystrophinopathies; Duchenne	
				Muscular Dystrophy (DMD),	
				Becker Muscular Dystrophy	
				BMD), and X-linked dilated	PhaseBio
	Vasomera	n/a	11/19/2015	cardiomyopathy (XL-dCMP).	Pharmaceuticals, Inc.
811	adeno-associated viral vector				
	serotype 9 containing the			Treatment of catecholaminergic	
	human cardiac calsequestrin			polymorphic ventricular	Audentes
	gene	Calmarythm	10/2/2014	tachycardia	Therapeutics, Inc.
812					
				Treatment of CD22-positive	
	moxetumomab pasudotox	n/a		chronic lymphocytic leukemia	MedImmune, LLC
813	Human immunoglobin anti-			Treatment of CD30+ T-cell	
	CD30 monoclonal antibody	n/a	1/10/2006	lymphoma	Bristol-Myers Squibb
814				Treatment of central precocious	
	tiptorelin pamoate	n/a	8/20/2012	puberty	Debiopharm
815					
		_		Treatment of central precocious	Roberts
	Deslorelin	Somagard	11/5/1987	puberty.	Pharmaceutical Corp.
816					
	4-Hydroxy-2,2,6,6-	,	0/00/00/=	Treatment of cerebral cavernous	REcursion
0.1=	tetramethylpiperidine-N-oxyl	n/a	9/29/2015	malformation.	Pharmaceuticals, LLC
817				Treatment of cerebral vasospasm	A !!
			2/45/2005	following subarachnoid	Actelion
040	Clazosentan	Erajet	2/16/2006	hemorrhage	Pharmaceuticals Ltd.
818				Tarakaran af aran barbaran da	
			2/42/2027	Treatment of cerebrotendinous	Develte LIC 1:
	chenodeoxycholic acid	n/a	2/12/2007	xanthomatosis	Baxalta US, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
819					
		CI CII	4 /20 /2004	Treatment of cerebrotendinous	Dr. Falk Pharma
020	Chenodeoxycholic acid	Chenofalk	1/29/2004	xanthomatosis	GmbH
820				Treatment of cerebrotendinous	
	chenodiol	Chenadal	3/22/2010	xanthomatosis	Retrophin, Inc.
821	Cheriodioi	Chenadai	3/22/2010	Xuittioiliatosis	netropinii, iiie.
021					
					Boehringer Ingelheim
	Porfiromycin	Promycin	3/13/1997	Treatment of cervical cancer.	Pharmaceuticals, Inc.
822	·	,			
	benznidazole	n/a	4/14/2014	Treatment of Chagas disease	Chemo Research, S.L.
823					MetronomX
	nifurtimox	n/a	12/31/2013	Treatment of Chagas disease	Therapeutics, LLC
824				Treatment of Chagas disease	
				(American	
				Typanosomiasis)caused by T.	Bayer HealthCare
	nifurtimox	Lampit	8/5/2010	cruzi	Pharmaceuticals, Inc.
825	- 10				
	2-(2-			T	
	chlorobenzylidene)hydrazineca	. 1.	0/40/2045	Treatment of Charcot-Marie	La Ela alta Dia Cata a ca
026	rboximidamide acetate	n/a	9/10/2015	Tooth disease.	InFlectis BioScience
826	(RS)-baclofen, naltrexone and D-sorbitol	n/a	2/17/2014	Treatment of Charcot-Marie- Tooth disease type 1A	Pharnext SA
827	D-SOI BILOI	11/ d	3/17/2014	Treatment of Charcot-Marie-	Pridriext SA
027	ascorbic acid	n/a	5/11/2009	Tooth disease type 1A.	Murigenetics SAS
828	uscoi bic acia	ii, u	3/ 11/ 2009	Treatment of children with AIDS-	ividing chiculds 3A3
				associated failure-to-thrive	
	Somatropin (r-DNA) for			including AIDS-associated	
	injection	Serostim	3/26/1996	_	EMD Serono, Inc.
829				Treatment of children with	
	reslizumab	n/a	12/19/2007	eosinophilic esophagitis	Teva Respiratory, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
830				Treatment of chlorine gas	Норе
	sodium nitrite	n/a	1/9/2012	poisoning	Pharmaceuticals
831					SynCore
	6-methoxy-3-(3',4',5'-			Treatment of	Biotechnology Co.
	trimethoxybenzoyl) indole	n/a	5/11/2016	cholangiocarcinoma	Ltd.
832				Treatment of	Concordia
	Porfimer sodium	Photofrin	11/18/2004	cholangiocarcinoma	Laboratories, Inc.
833	(R)-6-(2-fluorophenyl)-N-(3-(2- ((2- methoxyethyl)amino)ethyl)ph enyl)-5,6- dihydrobenzo[h]quinazolin-2- amine dihydrochloride	n/a	11/19/2015	Treatment of cholangiocarcinoma.	ArQule, Inc.
834				Treatment of	
	gemcitabine	n/a	1/11/2016	cholangiocarcinoma.	InnoPharmax, Inc.
835				Treatment of	
	melphalan	n/a	7/14/2015	cholangiocarcinoma.	Delcath Systems, Inc.
836				Treatment of	ASLAN
	Varlitinib	n/a	8/5/2015	cholangiocarcinoma.	Pharmaceuticals
837	Choline chloride	Intrachol	2/10/1994	Treatment of choline deficiency, specifically the choline deficiency, hepatic steatosis, and cholestasis, associated with long-term parenteral nutrition.	Alan L. Buchman, MD, MSPH
838	adeno-associated viral vector				
	serotype 2 containing the				
	human Rab escort protein 1				
	gene	n/a	11/5/2014	Treatment of choroideremia	NightstaRx Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
839					
	aadeno-associated viral vector,				
	serotype 2, containing the				
	human choroideremia gene			Treatment of choroideremia due	
	encoding human Rab escort			to mutations in the human	Sparks Therapeutics,
	protein 1	n/a	9/12/2013	choroideremia gene (CHM)	Inc.
840					
	Immunotherapeutic vaccine				
	consisting of (PAM)2-Lys-Ser-				
	Ser-Gln-Tyr-lle-Lys-Ala-Asn-Ser-				
	Lys-Phe-Ile-Gly-Ile-Thr-Glu-Ala-			Treatment of chronic active	
	Ala-Ala-Phe-Leu-Pro-Ser-Asp-		·	hepatitis B infection in HLA-A2	_
	Phe-Phe-Pro-Ser-Val	n/a	3/16/1994	positive patients.	Cytel Corporation
841					
	_, ,,		- /2 /4 22 4	Treatment of chronic active	SciClone
	Thymalfasin	Zadaxin	5/3/1991	hepatitis B.	Pharmaceuticals, Inc.
842	alaba wala sala sala	. 1.	0/2/2010	Treatment of chronic beryllium	mondoBIOTECH
0.40	alpha melanotropin	n/a	9/2/2010	disease	Laboratories AG
843				Treatment of chronic diarrhea in	
					Valaant
				short bowel syndrome patients	Valeant
	anium timatum	m /a	12/2/2011	with an inadequate response to anti-diarrheal treatment	Pharmaceuticals
844	opium tincture	n/a	12/2/2011		International, Inc. Hemispherx
044	Poly I: poly C12U	Ampligen	12/9/1993	Treatment of chronic fatigue	Biopharma, Inc.
845	Foly I. poly C120	Ampligen	12/9/1993	Syllululle	biopilarina, ilic.
043				Treatment of Chronic Functional	
				Vomiting to include functional	
	4-(2-fluorophenyl)-6-methyl-2-			vomiting and cyclic vomiting	Dynogen
	(1-piperzinyl)	n/a	10/11/2006	, ,	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
846	autologous lymphocytes				
	depleted ex vivo of immunoreactive T cells using	Thoralus Dhotodynamic		Treatment of chronic graft versus	Viadic Dharma
	4,5	Theralux Photodynamic Therapy	4/3/2008	host disease	Canada, Inc.
847	ر _ا ح.	Петару	+/3/2008	Treatment of chronic Graft	Cariada, iric.
0.7	ibrutinib	n/a	6/23/2016	versus Host disease.	Pharmacyclics, LLC
848					,
	T-cell depleted stem cell				
	enriched cellular product from			Treatment of chronic	Nexell Therapeutics
	peripheal b lood stem cells	n/a	11/1/2001	granulomatous disease	Inc.
849					
		. /-	2/4/2005	Treatment of chronic hepatic	Castle Creek
050	Sodium aluminosilicate	n/a	3/4/2005	encephalopathy	Pharmaceuticals LLC
850	interferon-alpha secreting				
	autologous micro-organ tissue				
	converting into a biopump	Infradure Biopump	6/14/2012	Treatment of chronic hepatitis D	Medgenics, Inc.
851	-			Treatment of chronic	Novartis
				inflammatory demyelinating	Pharmaceutical
	fingolimod	n/a	4/30/2010	polyneuropathy	Corporation
852					
	immune globulin infusion 10%			Treatment of chronic	
	(human) with recombinant	. /-	2/24/2046	inflammatory demyelinating	De alta HC La
052	human hyaluronidase)	n/a	3/31/2016	polyneuropathy	Baxalta US, Inc.
853	Immune Globulin Subcutaneous (Human), 20%			Treatment of chronic inflammatory demyelinating	
	Liquid	Hizentra	8/18/2014	polyneuropathy (CIDP)	CSL Behring
854	шчий	THECHU a	0/10/2014	Treatment of chronic	COL DCITTING
	recombinant multimerized			inflammatory demyelinating	
	human IgG1 Fc	n/a	7/14/2015	polyneuropathy (CIDP).	Pfizer, Inc.

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855	(S)-4,5-dihydro-2[2-hydroxy-3-(3,6,9-trioxadecyloxy)phenyl]-4-methyl-4-thiaxolecarboxylic acid	n/a	2/4/2009	Treatment of chronic iron overload in patients with transfusion-dependent anemias	Ferrokin BioSciences, Inc.
856	deferoxamine starch conjugate	n/a	12/21/1998	Treatment of chronic iron overload resulting from conventional transfusional treatment of beta-thalassemia major and sickle cell anemia.	Biomedical Frontiers,
857	6-(1H-Indazol-6-yl)-N-(4-morpholinophenyl)imidazo-[1,2-alpha]pyrazin-8-amine bismethanesulfonate	n/a		Treatment of chronic	Gilead Sciences, Inc.
858	acadesine	n/a	3/3/2011	Treatment of chronic lymphocytic leukemia	Avanced In Vitro Cell Technologies, S.L.
859	Arsenic trioxide	Trisenox		Treatment of chronic lymphocytic leukemia	Teva Branded Pharmaceutical Products R&D, Inc.
860	autologous T cells transduced with lentiviral vector containing a chimeric antigen receptor directed against CD19	n/a	3/14/2014	Treatment of chronic lymphocytic leukemia	Novartis Pharmaceuticals Corporation
861	bendamustine hydrochloride with betadex sulfobutyl ether sodium	n/a	9/10/2013	Treatment of chronic lymphocytic leukemia	Supratek Pharma, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
862	Bendamustine oral doseage			Treatment of chronic	Exinda Theapeutics
	formulation	n/a	11/5/2015	lymphocytic leukemia	LLC
863				Treatment of chronic	
	Blinatumomab	n/a	5/16/2008	lymphocytic leukemia	Amgen, Inc.
864				Treatment of chronic	
	cenersen	Aezea	2/27/2008	lymphocytic leukemia	Eleos, Inc.
865				Treatment of chronic	
	dacetuzumab	n/a	10/6/2005	lymphocytic leukemia	Seattle Genetics, Inc.
866	gene encoding chimeric CD40			Treatment of chronic	
	ligand	n/a	2/4/2009	lymphocytic leukemia	Memgen, LLC
867	humanized single chain monoclonal antibody(scFV: IgG1 hinge: IgG1 CH2 and CH3 domains)	n/a	11/17/2011	Treatment of chronic lymphocytic leukemia	Emergent Product Development Seattle, LLC
868				Treatment of chronic	
	idelalisib	n/a	8/25/2011	lymphocytic leukemia	Gilead Sciences, Inc.
869				Treatment of chronic	
	Inecalcitol	n/a	5/14/2014	lymphocytic leukemia	Hybrigenics, S.A.
870				Treatment of chronic	
	lenalidomide	Revlimid	1/17/2007	lymphocytic leukemia	Celgene Corporation
871				Treatment of chronic	
	oblimersen	Genasense	8/28/2001	lymphocytic leukemia	Genta, Inc.
872	phosphoinositide-3-kinase			Treatment of chronic	
	delta inhibitor	n/a	8/23/2016	lymphocytic leukemia	TG Therapeutics, Inc.
873				Treatment of chronic	
	polyphenon E	n/a	7/17/2008	lymphocytic leukemia	Mitsui Norin Co., Ltd
874				Treatment of chronic	
	ublituximab	n/a	8/6/2010	lymphocytic leukemia	TG Therapeutics, Inc.
875				Treatment of chronic	
	veltuzumab	n/a	8/28/2008	lymphocytic leukemia	Immunomedics, Inc.
876	Phosphatidylinositol 3-Kinase			Treatment of chronic	Semafore
	"PI3K" Inhibitor	n/a	11/2/2010	lymphocytic leukemia (CLL)	Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
877	rituximab and recombinant			Treatment of chronic	
	human hyaluronidase	Rituxin Sc	8/22/2016	lymphocytic leukemia (CLL)	Genentech, Inc.
878	Bruton's Tyrosine Kinase (Btk)			Treatment of chronic	
	Inhibitor	n/a	5/13/2015	lymphocytic leukemia (CLL).	Acerta Pharma BV
879					
	mouse-human chimeric				
	antibody of the IgG1 isotype,			Treatment of chronic	Boehringer Ingelheim
	directed against human CD37	n/a	3/24/2015	lymphocytic leukemia (CLL).	Pharmaceuticals, Inc.
880				Treatment of chronic	
				lymphocytic leukemia and	
				related leukemias to include	
	(1S)-1-(9-deazahypoxanthin-9-			prolymphocytic leukemia, adult T-	
	yl)-1,4-dideoxy-1,4-imino-D-			cell leukemia, and hairy cell	Mundipharma
	ribitol-hydrochloride	n/a	8/10/2004	leukemia	Research Ltd.
881				Treatment of chronic	
				lymphocytic leukemia and small	Infinity
	duvelisib	n/a	4/15/2013	lymphocytic lymphoma	Pharmaceuticals
882					
	(S)-7-(1acryloylpiperidin-4-yl)- 2-(4-phenoxyphenyl)-4,5,6,7- tetrahydropyrazolo[1,5- a]pyrimidine-3-carboxamide	n/a	7/20/2016	Treatment of chronic lymphocytic leukemia.	BeiGene USA, Inc.
883	autologous T-cells transduced with retroviral vector encoding an anti-CD19 CD28/CD3-zeta			Treatment of chronic	
	chimeric antigen receptor	n/a	4/20/2016	lymphocytic leukemia.	Kite Pharma, Inc.
884				Treatment of chronic	Merck Sharp &
	dinaciclib	n/a	8/25/2011	lymphocytic leukemia.	Dohme Ltd.
885				Treatment of chronic	
	milatuzumab	n/a	6/24/2008	lymphocytic leukemia.	Immunomedics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
886					Novartis
				Treatment of chronic	Pharmaceuticals
	nelarabine	n/a	9/2/1999	lymphocytic leukemia.	Corp.
887				Treatment of chronic	Ascenta Therapeutics,
	R-(-)-gossypol	n/a	10/24/2006	lymphocytic leukemia.	Inc.
888	17-allylamino-17-				
	demethoxygeldanamycin (17-			Treatment of chronic	Bristol-Myers Squibb
	AGG)	n/a	9/3/2004	myelogenous leukemia	Company
889	liposomal p-ethoxy growth				
	receptor bound protein-2			Treatment of chronic	
	antisense product	n/a	12/5/2003	myelogenous leukemia	Bio-Path, Inc.
890	(3,5-Bis trifluoromethyl)-N-[4-				
	methyl-3-(4-pyridin-3yl-				
	pyrimidin-2-yl amino) phenyl]			Treatment of chronic	NATCO Pharma
	benzamide	n/a	3/18/2011	myelogenous leukemia.	Limited
891					
	Nine amino acid polypeptide			Treatment of chronic	
	derived from proteinase 3	n/a	9/3/2004	myelogenous leukemia.	The Vaccine Company
892				Treatment of chronic	Hoffman-La Roche
	Peginterferon alfa-2a	Pegasys	9/30/1999	myelogenous leukemia.	Inc.
893					
	4-[2-(3-Propyl-[1,2,4]0xadiazol-			Treatment of chronic myeloid	Piramal Enterprises
	5-yl)-vinyl]-benzene-1,2-diol	n/a	10/4/2011	leukemia	Limited
894					Teva Branded
				Treatment of chronic myeloid	Pharmaceutical
	arsenic trioxide	Trisenox	10/18/2001	leukemia	Products R*D, Inc.
895					
	Replication-incompetent GM-				
	CSF-expressing gene-modified				
	allogeneic chronic myeloid	Gvax Chronic Myeloid		Treatment of chronic myeloid	
	leukemia cancer cell lines	Leukemia	4/30/2010	leukemia	Aduro BioTech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
896					
				Treatment of chronic myeloid	Escend
	tetrandrine	n/a	5/19/2016	leukemia.	Pharmaceuticals, Inc.
897	purified autologous type 1				
	regulatory T lymphocytes				
	specific for human type II			Treatment of chronic non-	
	collagen	n/a	9/1/2015	infectious uveitis	TxCell SA
898				Treatment of chronic or	Valeant
				recurrent central serous	Pharmaceuticals
	verteporfin	Visudyne(R)	3/9/2012	chorioretinopathy	North America LLC
899				Treatment of chronic	
				osteomyelitis of post-traumatic,	
	Gentamicin impregnated				Lipha
	PMMA beads on surgical wire	Septopal	1/31/1991	origin.	Pharmaceuticals, Inc.
900					
	camostat	n/a	5/18/2011	Treatment of chronic pancreatitis	•
901					Ocera Therapeutics,
	spherical carbon adsorbent	n/a			Inc.
902				Treatment of chronic radiation	Richard I. Breuer,
	Short chain fatty acid enema	Colomed	8/19/1997	proctitis.	M.D.
903			- 10 - 10 - 0		
	Infliximab	Remicade	5/21/2003	Treatment of chronic sarcoidosis	Centocor, Inc.
904					
				Treatment of chronic severe	
				forms of alopecia areata	
	l] ,		(Alopecia Totalis [AT]/Alopecia	
	diphenylcyclopenone	n/a	6/13/2003	Universalis [AU])	Lloyd E. King, Jr.
905				Total Call	A d . Th .
			C/2/: 22=	Treatment of chronic, incomplete	•
	Fampridine	Neurelan	6/2/1997	spinal cord injury.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
906					
				Treatment of chronic/refractory anterior noninfectious uveitis, noninfectious intermediate uveitis, noninfectious panuveitis and non-infectious, uveitis affecting the posterior of the eye	
	sirolimus	n/a	11/4/2011		Santen Inc.
907	mepolizumab	n/a	7/14/2011	Treatment of Churg-Strauss Syndrome.	GlaxoSmithKline LLC
908	(R)-N-[2-(6-chloro-5-methoxy- 1H-indol-3- yl)propyl]acetamide	n/a	10/3/2001	Treatment of circadian rhythm sleep disorders in blind people with no light perception	Phase 2 Discovery,
909	Melatonin	n/a		Treatment of circadian rhythm sleep disorders in blind people with no light perception.	Sack, Robert, M.D.
910	maribavir	n/a	6/7/2011	Treatment of clinically significant cytomegalovirus viremia and disease in at-risk patients.	Shire ViroPharma, Inc.
911	adeno-associated viral serotype 2 vector under the regulatory control of a CMV promoter encoding the human tripeptidyl peptidase-1 (hTPP1) cDNA	n/a	3/16/2016	Treatment of CLN2 disease (neuronal ceroid lipofuscinosis (NCL)) caused by TPP1 deficiency.	Spark Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
912				Treatment of clostridium difficile infection in pediatric patients (0	Appili Therapeutics,
	metronidazole	n/a	4/5/2016	through 16 years of age).	Inc.
913	bevacizumab	n/a	3/10/2016	Treatment of Coat's disease	MicroSert, Ltd.
914	Nildramaia 7	v (c	2/14/2006	Tunatura est of appaidinida service in	Valley Fever Center for Excellence (1-111
915	Nikkomycin Z selective inhibitor of fungal CYP51	n/a n/a		Treatment of coccidioidomycosis Treatment of coccidioidomycosis.	Viamet Pharmaceuticals, Inc.
916	D-mannitol and L-proline	Prodarsan		Treatment of Cockayne	DNage B.V.
917	hydromorphone hydrochloride (intrathecal infusion)	n/a	6/16/2016	Treatment of complex regional pain syndrome	Mallinckrodt Inc.
918	zoledronate D,L-lysine monohydrate (ZLM)	n/a		Treatment of complex regional pain syndrome (CRPS)	Thar Pharmaceuticals
919	zoledronic acid	Zometa, Reclast, Aclasta	5/6/2013	Treatment of complex regional pain syndrome (CRPS).	Axsome Therapeutics, Inc.
920	noridronato	2/2	2/25/2012	Treatment of complex regional pain syndrome (CRPS-1, CRPS-II,	Crupenthal USA Inc
921	neridronate baclofen	n/a Gablofen		CRPS-NOS) Treatment of complex regional pain syndrome.	Grunenthal USA, Inc. Mallinckrodt, Inc.
922	hydrocortisone modified release capsules	Chronocort	3/18/2015	Treatment of congenital adrenal hyperpasia	Diurnal Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
923					
	2,5-dimethyl-3-[2-methyl-4-			T	Nicomorphica
	(methyloxy)phenyl]-N-[(1S)-1- (3-methyl-1,2,4-oxadiazol-5-	n/a	1/15/2015	Treatment of congenital adrenal hyperplasia (CAH)	Neurocrine Biosciences, Inc.
924	(J-IIIetilyi-1,2,4-0xadiazoi-J-	ii) a	1/13/2013	Inyperplasia (CAIT)	biosciences, inc.
				Treatment of congenital and	Luitpold
	methylene blue injection	n/a	8/11/2012	acquired methemoglobinemia	Pharmaceuticals, Inc.
925					
				Treatment of congenital factor	
				VII deficiency which includes	
	recombinant fusion protein			treatment and prophylaxis of bleeding episodes in patients	
	linking coagulation factor VIIa			with congenital factor VII	
	with albumin (rVIIa-FP)	n/a	5/6/2013	deficiency	CSL Behring
926	,	,	, ,	,	Ü
	Factor XIII [A2] homodimer,			Treatment of congenital FXIII	Novo Nordisk
	recombinant DNA origin	n/a	5/21/2003	deficiency	Pharmaceuticals, INc.
927	fully human IgG2 monoclonal				
	antibody that binds insulin	n/2	6/0/2015	Treatment of congenital hyperinsulinism	VONAA (US) U C
928	receptors	n/a	6/9/2015	nyperinsulmism	XOMA (US) LLC
320				Treatment of congenital	Patagonia
	isotretinoin	n/a	4/10/2014		Pharmaceuticals, LLC
929				Treatment of congenital	
	trifarotene	n/a	6/6/2014	ichthyosis	Galderma R&D, LLC
930	Code or dealers		C 14.4 14.000	Treatment of congenital lactic	Stacpoole, Peter W.
931	Sodium dichloroacetate	n/a	6/11/1990	acidosis	M.D., Ph.D.
931	4-(pyrimidin-2-ylmethyl)-7-[4-				
	(trifluoromethoxy)phenyl]-3,4-				
	dihydro-1,4-benzoxazepin-			Treatment of congenital long QT	
	5(2H)-one	n/a	5/4/2015	syndrome	Gilead Sciences, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
932					Santhera
				Treatment of congenital	Pharmaceuticals
	omigapil	n/a	6/24/2008	muscular dystrophy.	Limited
933				Treatment of congenital	Catalyst
	amifampridine phosphate	n/a	3/3/2015	myasthenic syndromes	Pharmaceuticals
934				Treatment of congenital primary	
	Monolaurin	Glylorin	4/29/1993	ichthyosis.	Glaxo Wellcome Inc.
935					
	autologous osteogenic cells				
	cultured from adipose tissue				
	derived stem cells embedded				
	in extracellular matrix with			Treatment of congenital	
	demineralized bone matrix.	n/a	6/30/2016	pseudarthrosis of the tibia	Novadip Biosciences
936				Treatment of congenital venous	
	polidocanol	n/a	2/19/2015	malformations	Provensis Ltd
937	exendin-(9-39)	n/a		Treatment of congential hyperinsulinenic hypoglycemia and other causes of hyperinsulinemic hypoglycemia in adults and children	The Children's Hospital of Philadelphia
938	exeriain (5 55)	iii u	0/1/2011	Treatment of constitutional delay	Типаастрина
				in growth and puberty in	
	testosterone undecanoate			adolescent boys (14-17 yrs of	SOV Therapeutics,
	(oral)	n/a	2/13/2013	,	Inc.
939	(0.0.)	117 S	2, 13, 2013	Treatment of constitutional delay	
333				of growth and puberty in	
				adolescent boys 14 to 17 years of	
	oral testosterone	n/a	6/2/2016		TesoRx Pharma, LLC
940	orar testosterone	In a	0,2,2010	Wast	resonx i nama, ele
] 340				Treatment of corneal graft	EyeGate
	dexamethasone phosphate	n/a	12/2/2008		Pharmaceuticals, Inc.
<u> </u>	desamethasone phosphate	11/ 0	12/2/2008	rejection.	i narmaccaticais, inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
941	Matrix metalloproteinase				
	inhibitor	Galardin	12/5/1991	Treatment of corneal ulcers.	Glycomed, Inc
942				Treatment of creatine	
	cyclocreatine	n/a	6/18/2012	transporter deficiency	Lumos Pharma
943					
	non-replicating recombinant				
	adeno-associated viral vector,				
	serotype 8, expressing the 1A1				
	isoform of the bilirubin-uridine				
	diphosphate	,	5 /2 4 /2 04 C	Treatment of Crigler Najjar	Audentes
	glucuronosyltransferase gene	n/a	5/24/2016	syndrome.	Therapeutics, Inc.
944	heterologous human liver	,	0/0/0040	Treatment of Crigler-Najjar	Promethera
	derived progenitor cells	n/a	3/9/2012	syndrome	Biosciences
945					
	modified mRNA encoding				
	UGT1A1 protein, formulated in		- /- /	Treatment of Crigler-Najjar	Alexion
	lipid nanoparticles	n/a	7/5/2016	syndrome	Pharmaceuticals, Inc.
946					
	l			Treatment of critical limb	l
	adeno-associated viral vector			ischemia in no-option patients	Integene
	expressing the human vascular	,	42/24/2045	where other procedures, grafts,	International Holding,
0.47	endothelial growth factor gene	n/a	12/31/2015	or angioplasty are not indicated	LLC
947		. 1.	4 /4 0 /2 04 0	Treatment of Crohn's disease in	TAU D'ATARIA LA
0.40	naltrexone	n/a	1/19/2010	pediatric patients	TNI BioTech, Inc.
948	Canatically analysis and bury				
	Genetically engineered human				
	recombinant IgG4 monoclonal				Callka da Claireacia
	antibody directed against	/-	42/44/4007	Tourston and of Cook all all and	Celltech Chiroscience
	human TNF alpha	n/a	12/11/1997	Treatment of Crohn's disease.	Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
949					
	Thalidomide	Thalomid	4/6/1999	Treatment of Crohn's disease.	Celgene Corporation
950				_	
	selective inhibitor of fungal	,		Treatment of cryptococcal	Viamet
0.7.4	lanosterol demethylase	n/a	8/19/2014	meningitis	Pharmaceuticals, Inc.
951	Bovine whey protein concentrate	Immuno-C		Treatment of cryptosporidiosis caused by the presence of Cryptosporidium parvum in the gastrointestinal tract of patients who are immunodeficient/immunocompromised or immunocompetent.	Biomune Systems, Inc.
952			3,33,233	ominate of minimate of the potential	Novartis
552					Pharmaceuticals
	osilodrostat	n/a	9/13/2013	Treatment of Cushing's disease	corporation
953	metyrapone	n/a	9/25/2012	Treatment of Cushing's syndrome	Laboratoire HRA Pharma
954	Mifepristone	n/a	2/7/2005	Treatment of Cushing's syndrome secondary to ectopic ACTH secretion	HRA Pharma
955	Sodium stibogluconate	n/a	6/16/2006	Treatment of cutaneous leishmaniasis	VioQuest Pharmaceuticals, Inc.
956	sodium stibogluconate	n/a	10/28/2009	Treatment of cutaneous leishmaniasis	Surgeon General of the US Army
957	paromomycin	n/a		Treatment of cutaneous leishmaniasis (Old World and New World)	The Surgeon General, Dept. of the Army

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958					Wyeth-Lederle
	Facilitated DNA Plasmid			Treatment of cutaneous T cell	Vaccines and
	Vaccine	n/a	3/8/1995	lymphoma.	Pediatrics
959				Treatment of cutaneous T-cell	
	A-dmDT390-bisFv(UCHT1)	Resimmune	10/9/2014	lymphoma	Angimmune, LLC
960				Treatment of cutaneous T-cell	
	denileukin diftitox	n/a	7/12/2013	lymphoma	Eisai Inc.
961				Treatment of cutaneous T-cell	
	doxorubicin	n/a	4/6/2015	lymphoma	Louis D. Falo, Jr.
962				Treatment of cutaneous T-cell	
	fenretinide	n/a	9/4/2013	lymphoma	CerRx, Inc.
963	methylparaben				
	suberohydroxamic acid phenyl			Treatment of cutaneous T-cell	TetraLogic
	ester	n/a	4/15/2013	lymphoma	Pharmaceuticals
964	hydralazine - magnesium			Treatment of cutaneous T-cell	Neolpharma S.A.DE
	valproate	Transkrip(R)	3/17/2011	lymphoma.	C.V.
965				Treatment of cutaneous T-cell	
	Hypericin	n/a	2/7/2000	lymphoma.	Soligenix, Inc.
966					
				Treatment of cutaneous T-cell	BioCryst
	Peldesine	n/a	10/5/1993	lymphoma.	Pharmaceuticals, Inc.
967				Treatment of cutaneous T-cell	
	Pentostatin	Nipent	3/27/1998	lymphoma.	SuperGen, Inc.
968				Treatment of cutaneous variants	
				of porphyria (which includes	
				treatment and prevention of	
				cutaneous manifestations of	
	afamelanotide	n/a	2/4/2016	disease)	Clinuvel Inc.
969	Amyl nitrite, sodium nitrite,				
	sodium thiosulfate	Cyanide Antidote Kit	12/18/2006	Treatment of cyanide poisoning	Akorn, Inc.
970					Норе
	Sodium nitrite	n/a	4/18/2007	Treatment of cyanide poisoning	Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
971					
	Sodium nitrite/sodium				Keystone
	thiosulfate	Cyanide Antidote Package	3/23/2007	Treatment of cyanide poisoning	Pharmaceuticals, Inc.
972	Sodium thiosulfate and sodium				
	nitrite	n/a	12/18/2006	Treatment of cyanide poisoning	Akorn, Inc.
973					
	Sodium thiosulfate, sodium				Keystone
	nitrite, amyl nitrite	Cyanide Antidote Package	6/16/2006	Treatment of cyanide poisoning	Pharmaceuticals, Inc.
974				Treatment of cystathionine beta-	
				synthase deficient	Johan L. Van Hove,
	taurine	n/a	3/22/2010	homocystinuria	MD, PhD
975	S-nitrosoglutathione reductase				Nivalis Therapeutics,
	inhibitor	n/a	1/13/2016	Treatment of cystic fibrosis	Inc.
976	(R)-1-(2,2-difluorobenzo				
	[d][1,3] dioxol-5-yl)-N-(1-(2,3-				
	dihydroxypropyl)-6-fluoro-2-(1-				
	hydroxy-2-methylpropan-2-yl)-				
	1H-indol-5-yl)				Vertex
	cyclopropanecarboxamide	n/a	4/24/2014	Treatment of cystic fibrosis	Pharmaceuticals Inc.
977	, , ,			,	
	2-(7-ethoxy-4-(3-fluorophenyl)-				
	1-oxophthalazin-2(1H)-yl)-N-				
	methyl-N-(2-				
	methylbenzo[d]oxazol-6-				
	yl)acetamide	n/a	5/13/2015	Treatment of cystic fibrosis	Flatley Discovery Lab
978	2-0-Butyryl-1-0-octyl-myo-				
	inositol 3,4,5,6-				
	tetrakisphosphate	n/a	8/15/2003	Treatment of cystic fibrosis	Inologic, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
979	3-(6-(1-(2,2-difluorobenzo[d] [1,3]dioxyl-5-yl)cyclopropanecarboxamido)-3-methylpyridin-2-yl)benzoic acid	n/a	3/2/2010	Treatment of cystic fibrosis	Vertex Pharmaceuticals Inc.
980	alpha1-proteinase inhibitor (human)	n/a		Treatment of cystic fibrosis	CSL Behring LLC
981	alpha1-proteinase inhibitor (human)	n/a	4/6/2012	Treatment of cystic fibrosis	Grifols Therapeutics, Inc.
982	Alpha1-Proteinase Inhibitor (Human)	Arc-Api	9/1/2004	Treatment of cystic fibrosis	Kamada Ltd.
	anti-sense oligonucleotide consisting of 2ÿƿÿ⿿ÿ⿿ÿ⿿ÿ¢ÿƿà ¿Â¢Ã¿Â¢Ã¿Ã;à cãçãçãçãçãçãçãçãçãçãçãçãçãçãçãçãçãçãçãç		9/23/2013	Treatment of cystic fibrosis	ProQR Therapeutics III B.V.
984	Cysteamine	Lynovex	9/11/2014	Treatment of cystic fibrosis	NovaBiotics Ltd.
985	D-peptide of the sequence AKRHHGYKRKFH - NH2	Pulmadex	10/23/2002	Treatment of cystic fibrosis	Demegen, Inc.
986	dextran 1	n/a	3/21/2003	Treatment of cystic fibrosis	BCY LifeSciences Inc.
987	diferuloylmethane	n/a	6/13/2003	Treatment of cystic fibrosis	Allertein Therapeutics, LLC
988	digitoxin	n/a	5/27/2005	Treatment of cystic fibrosis	Silver Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
989					La Jolla
					Pharmaceuticals
	gentamicin C2 congener	n/a	3/29/2016	Treatment of cystic fibrosis	Company
990	granulocyte macrophage				
	colony stimuling factor	n/a	8/27/2008	Treatment of cystic fibrosis	Savara Inc.
991					Ockham Biotech
	Heparin sodium	n/a	6/29/2006	Treatment of cystic fibrosis	Limited
992	l				
	Hypothiocyanite and		/= /0.00		Alaxia
000	lactoferrin	Meveol	11/5/2009	Treatment of cystic fibrosis	Biotechnologies Sante
993	leukotriene A4 hydrolase		4 /25 /2045		
004	inhibitor	n/a		Treatment of cystic fibrosis	Celtaxsys, Inc.
994	Nitric oxide	n/a	9/11/2013	Treatment of cystic fibrosis	Novoteris, LLC
995					A dun a sa di la balatia a
	nitric oxide	n/o	0/22/2014	Treatment of quetic fibracia	Advanced Inhalation
996	Intric Oxide	n/a	9/23/2014	Treatment of cystic fibrosis	Therapies Ltd.
990	plasmid DNA encoding the				
	human cystic fibrosis				
	transmembrane conductance				
	regulator gene complexed				
	with a nonviral cationic lipid				Imperial Innovations
		n/a	6/30/2014	Treatment of cystic fibrosis	Limited
997	Plasmid DNA vector expressing		0/30/2014	Treatment of cystic horosis	Lillited
33,	cystic fibrosis transmembrane				Copernicus
	gene	n/a	3/29/2005	Treatment of cystic fibrosis	Therapeutics, Inc.
998	recombinant human alpha 1-		3, 23, 2303	2,000 00.0	
	antitrypsin (rAAT)	n/a	11/20/2001	Treatment of cystic fibrosis	AiroMedica LLC
999	recombinant human				
	neutrophil inhibitor (hNE)	n/a	12/9/2003	Treatment of cystic fibrosis	Dyax Corporation
1000	Recombinant truncated			,	
	SPINT2 protease inhibitor	n/a	6/24/2005	Treatment of cystic fibrosis	Aerovance, Inc.

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1001					
	Sodium pyruvate	n/a	3/31/2003	Treatment of cystic fibrosis	Cellular Sciences, Inc
1002					
				Treatment of cystic fibrosis liver	Asklepion
	ursodiol	Ursofalk Suspension	10/23/2007	disease	Pharmaceuticals, LLC
1003					
	PEGylated recombinant anti-			Treatment of cystic fibrosis	
	Pseudomonas aeruginosa PcrV			patients with Pseudomonas	KaloBios
	·	n/a	10/25/2013	aeruginosa lung infections	Pharmaceuticals, Inc.
1004	(6aR, 10aR)-3-(1',1'-				
	dimethylheptyl)-delta8-				
	tetrahydro-cannabinol-9-	,			Corbus
100=	carboxylic acid	n/a	10/13/2015	Treatment of cystic fibrosis.	Pharmaceuticals, Inc.
1005	2.0.1	A	0/47/4000	T	Kennedy & Hoidal,
	2-0-desulfated heparin	Aeropin	9/1//1993	Treatment of cystic fibrosis.	M.D.'s
1006	Cystic fibrosis Tr gene therapy				
	'	Adgvcftr.10	2/0/1005	Treatment of cystic fibrosis.	GenVec, Inc.
1007	(recombinant adenovirus)	Augventi.10	3/9/1993	Treatment of cystic horosis.	Genvec, inc.
1007					
	Cystic fibrosis transmembrane				
	· •	n/a	1/8/1993	Treatment of cystic fibrosis.	Genetic Therapy, Inc.
1008	Duramycin	n/a		Treatment of cystic fibrosis.	Lantibio, Inc.
1009	Daramyon	117 5	12/11/1337	Treatment or systic noresis.	Windtree
1003	Lucinactant	Surfaxin(R), Aerosurf(R)	10/21/2010	Treatment of cystic fibrosis.	Therapeutics, Inc.
1010	recombinant human alpha-1	(,,		2	PPL Therapeutics
	· '	n/a	3/6/1998	Treatment of cystic fibrosis.	(Scotland) Limited
1011				,	
	Recombinant secretory				
		n/a	3/29/1991	Treatment of cystic fibrosis.	Amgen, Inc.
1012	sodium alginate				
	oligosaccharide	n/a	2/24/2016	Treatment of cystic fibrosis.	AlgiPharma AS

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1013					Kennedy & Hoidal,
	Tyloxapol	Supervent	3/8/1995	Treatment of cystic fibrosis.	M.D.'s
1014					
				Treatment of cysticercosis	Robert H. Gilman,
	oxfendazole	n/a	7/14/2014	(including neurocysticercosis)	MD, DTMH and
1015					Revive Therapeutics,
	Bucillamine	n/a	10/22/2015	Treatment of cystinuria	Ltd.
1016				Treatment of deep vein	
				thrombosis which may lead to	
				pulmonary embolism in pediatric	
	Reviparin sodium	Clivarine	6/18/2001	patients	Abbott
1017					
	Conjugate of a dengue virus			Treatment of dengue fever	
	specific small chemical ligand			(includes dengue hemorrhagic	
	and an amphiphilic PEG based			fever and dengue shock	NanoViricides
	polymer	n/a	8/6/2013	syndrome)	Incorporated
1018				Treatment of Dengue Virus	Your Energy Systems,
	liposomal glutathione	n/a	5/18/2016	infection.	LLC
1019					
	NorLeu3-Angiotensin(1-7)			Treatment of dermal injury due	
	[NorLeu3-A(1-7)]	n/a	1/31/2014	to nuclear/radiation incident	US Biotest, Inc.
1020					Jacobus
				Treatment of dermatitis	Pharmaceutical
	Sulfapyridine	n/a	9/10/1990	herpetiformis.	Company
1021					
					Alexion
	Eculizumab	n/a	9/21/2000	Treatment of dermatomyositis	Pharmaceuticals, Inc.
1022					Novartis
					Pharmaceuticals
	siponimod	n/a	7/10/2014	Treatment of dermatomyositis	Corporation
1023					Норе
	sodium thiosulfate	n/a	10/28/2014	Treatment of dermatomyositis	Pharmaceuticals

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1024				-	
	Toremifene	n/a	8/17/1993	Treatment of desmoid tumors.	Orion Corporation
1025					
	Cryptosporidium			Treatment of diarrhea in AIDS	
	hyperimmune bovine colostrum IgG concentrate	n/a	12/20/1001	patients caused by infection with Cryptosporidium parvum.	ImmuCell Corporation
1026	Recombinant coagulation	II/ d	12/30/1991	Treatment of diffuse alveolar	minucen corporation
1020	factor VIIa	n/a	4/26/2006	hemorrhage	Savara Inc.
1027	Tactor viid	117 G	4/20/2000	The morninge	Savara me.
1027	DNA plasmid vector expressing				
	eIF5Ak50R protein, siRNA				
	directed against the nastive				
	eIF5A mRNA, and PEI			Treatment of diffuse large B cell	Senesco
	(polyethyleneimine)	n/a	7/24/2012	lymphoma	Technologies, Inc.
1028				Treatment of diffuse large B cell	
	obinutuzumab	n/a	2/17/2012	lymphoma	Genentech, Inc.
1029					
	(Z)-3-(3-(3,5-				
	bis(trifluoromethyl)phenyl)-1H-				
	1,2,4-triazol-1-yl)-N-(pyrazin-2-	,		_	Karyopharm
1020		n/a	5/14/2014	•	Therapeutics, Inc.
1030	4, 5 dibromorhodamine	Theralux Photodynamic	10/20/2000	Treatment of diffuse large B-cell	Kiadis Pharma
1031	methyl ester autologous CD4+/CD8+ T cells	Therapy	10/30/2008	lymphoma	Canada, Inc.
1031	expressing a CD19 chimeric				
	antigen receptor and				
	truncated epidermal growth			Treatment of diffuse large B-cell	Juno Therapeutics,
	factor receptor	n/a	4/27/2016		Inc.
1032	222		, , =020	Treatment of diffuse large B-cell	Denovo Biopharma
	enzastaurin	n/a	3/4/2009	lymphoma	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1033					Novartis
				Treatment of diffuse large B-cell	Pharmaceuticals
	everolimus	n/a	6/2/2014	lymphoma	Corp.
1034				Treatment of diffuse large B-cell	
	ibrutinib	n/a	10/23/2013		Pharmacyclics, LLC
1035				Treatment of diffuse large B-cell	
	lenalidomide	Revlimid	3/28/2011	lymphoma	Celgene Corporation
1036	maytansinoid-conjugated humanized monoclonal antibody against CD37	n/a	5/12/2016	Treatment of diffuse large B-cell lymphoma	ImmunoGen, Inc.
1037	diffisory against 6537	iii u	3/12/2010	Treatment of diffuse large B-cell	Mirati Therapeutics,
1037	mocetinostat	n/a	8/7/2014	lymphoma	Inc.
1038	mocemostat	iii u	0///2011	Treatment of diffuse large B-cell	Allos Therapeutics,
1000	pralatrexate	n/a	10/20/2008		Inc.
1039		.,, -	=======================================	7	Novartis
				Treatment of diffuse large B-cell	Pharmaceuticals
	tisagenlecleucel-T	n/a	2/3/2015	lymphoma	Corporation
1040		,		Treatment of diffuse large B-cell	
	C24H28N8O7S2	n/a	4/2/2015	lymphoma (DLBCL).	Curis, Inc.
1041	4-(4-{[2-(4-chlorophenyl)-4,4-dimethylcyclohex-1-en-1-yl]methyl}piperazin-1-yl)-N-({3-nitro-4-[(tetrahydro-2H-pyran-4-ylmethyl)amino]phenyl}sulfonyl)-2-(1H-pyrrolo[2,3-b]pyridin-5-yloxy)benzamide	n/a		Treatment of diffuse large B-cell lymphoma.	AbbVie
1042					
	5'-CTATCTGUC*G1TTCTCTGU-			Treatment of diffuse large B-cell	Idera
	3'.17 Na+	n/a	3/31/2015	lymphoma.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1043					
	autologous peripheral blood T				
	lymphocytes transduced with				
	retroviral vector containing				
	anti CD19 CD28/CD3 zeta	1	2/27/2044	Treatment of diffuse large B-cell	1411 DI 1
1011	chimeric antigen receptor	n/a	3/2//2014	lymphoma.	Kite Pharma, Inc.
1044				Treatment of diffuse large B-cell	Janssen Research and
	daratumumab	Humax (R) - Cd38	11/9/2015	lymphoma.	Development, LLC
1045	humanized Fc engineered	Hamax (II) Caso	11/3/2013	lymphoma.	Development, LLC
20.0	monoclonal antibody against			Treatment of diffuse large B-cell	
	CD19	n/a	12/1/2014	lymphoma.	MorphoSys AG
1046					
				Treatment of diffuse non-	
				Hodgkin's lymphoma, including	
				AIDS-related diffuse non-	
	Mitoguazone	Apep	3/18/1994	Hodgkin's lymphoma.	ILEX Oncology, Inc.
1047					
	Type 1 native bovine skin	/a	2/1/2000	Treatment of diffuse systemic	arGentis
1048	collagen	n/a	2/1/2008	scierosis	Pharmaceuticals, LLC
1046				Treatment of DiGeorge anomaly	SciClone
	Thymalfasin	Zadaxin	1/8/1998	with immune defects.	Pharmaceuticals, Inc.
1049	,		1, 0, 1330	The state of the s	a.maccaticals, inc.
	Tissue repair cells obtained				
	from autologous bone marrow				
	expanded ex vivo with a cell			Treatment of dilated	
	production system	n/a	1/25/2007	cardiomyopathy	Vericel Corporation.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1050				Treatment of dilated	
				cardiomyopathy, including	
				dilated cardiomyopathy	
	p38 mitogen-activated kinase			secondary to lamin A/C gene	
	inhibitor	n/a	5/27/2014		Array BioPharma, Inc.
1051				Treatment of disseminated	
				Mycobacterium avium complex	
	Rifabutin	n/a	12/18/1989		Pfizer Inc.
1052				Treatment of disseminated	
				Mycobacterium avium-	Liposome Company,
	Gentamicin liposome injection	Maitec	7/10/1990	intracellulare infection.	Inc.
1053					Insys Therapeutics,
	cannabidiol	n/a	7/1/2014	Treatment of Dravet syndrome	Inc.
1054					
	stiripentol	Diacomit	10/30/2008	Treatment of Dravet syndrome	Biocodex
1055					
	cannabidiol	n/a	11/14/2013	Treatment of Dravet syndrome.	GW Pharma Ltd.
1056					
				Treatment of drug resistant	
				generalized tonic-clonic epilepsy	
	Antiepilepsirine	n/a	3/23/1989	in children and adults.	Children's Hospital
1057					
	L-aminocarnityl-succinyl-leucyl-			Treatment of Duchenne and	
	argininal-diethylacetal	n/a	1/18/2006	Becker muscular dystrophy	CepTor Corporation
1058	5-(ethylsulfonyl)-2-				
	(naphthalen-2-			Treatment of Duchenne	Summit Corporation
	yl)benzp[d]oxazole	n/a	11/22/2011	Muscular Dystrophy	plc
1059				Treatment of Duchenne muscular	Acceleron Pharma,
	ActRIIB-IgG1)	n/a	8/16/2010	, , ,	Inc.
1060	allogeneic cardiosphere-			Treatment of Duchenne	
	derived cells	n/a	4/21/2015	Muscular Dystrophy	Capricor, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1061				Treatment of Duchenne muscular	
	angiotensin (1-7)[A(1-7)]	n/a	7/25/2013	dystrophy	US Biotest, Inc.
1062	bivalent anti-human myostatin			Treatment of duchenne muscular	Bristol-Myers Squibb
	adnectin-lgG1	n/a	2/10/2015	dystrophy	Co.
1063					University of
				Treatment of Duchenne muscular	Rochester Medical
	deflazacort	Calcort	9/16/2010	dystrophy	Center
1064					
				Treatment of Duchenne muscular	
	deflazacort	n/a	8/16/2013	dystrophy	Pharmaceuticals, LLC
1065					
	delta-1,4,9(11)-pregnatriene-				
	17-alpha,21-dihydroxy-16-			Treatment of Duchenne muscular	ReveraGen
	alpha-methyl-3,20-dione	n/a	12/2/2011		Biopharma
1066				Treatment of Duchenne	Halo Theraeputics,
	halofuginone hydrobromide	n/a	10/13/2011	Muscular Dystrophy	LLC
1067					Santhera
				Treatment of Duchenne muscular	Pharaceuticals
	idebenone	n/a	2/16/2007		Limited
1068				Treatment of Duchenne	
	laminin-111 (human)	n/a	7/21/2011	Muscular Dystrophy	Prothelia, Inc.
1069					
	N-(2-((4Z,7Z,10Z,13Z,16Z,19Z)-				
	docosa-4,7,10,13,16,19-				
	hexaenamido)ethyl)-2-			Treatment of Duchenne muscular	Catabasis
	hydroxybenzamide	n/a	11/17/2014	dystrophy	Pharmaceuticals, Inc.
1070	O-(3-piperidino-2-hydroxyl-1-				
	propyl)-nicotinic acid			Treatment of Duchenne	
	amidoxime hydrochloride	n/a	1/15/2013	Muscular Dystrophy	Vudbenk Life Sciences
1071					
				Treatment of Duchenne muscular	
	poloxamer-188 NF	n/a	1/19/2010	dystrophy	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1072					
	recombinant adeno-associated				
	virus serotype rhesus 74 (rh74)				
	expressing the human CT				
	GalNac transferase (GALGT2)				
	gene, also called the Sda or				
	Cad GAINac transferase or				
	b4GaInt2, under control of the				
	muscle creatine kinase (MCK)			Treatment of Duchenne muscular	Nationwide Children's
	promoter	n/a	6/16/2015	dystrophy	Hospital
1073					
				Treatment of Duchenne	Tivorsan
	recombinant human biglycan	n/a	7/13/2016	Muscular Dystrophy	Pharmaceuticals, Inc.
1074				Treatment of Duchenne	
	tadalafil	Cialis(R); Adcirca(R)	5/4/2015	Muscular Dystrophy (DMD)	Eli Lilly and Company
1075	Peptide that inhibits				
	mechanosensitive ion channel			Treatment of Duchenne	
	(MSC) activity	n/a	9/15/2010	Muscular Dystrophy (DMD.)	Rose Pharmaceuticals
1076				Treatment of Duchenne	
				Muscular Dystrophy and Becker	
	givinostat	n/a	4/12/2013	Muscular Dystrophy	Italfarmaco SpA
1077					
				Treatment of Duchenne	
				Muscular Dystrophy in patients	
	Exon 44 specific			who have a mutation correctable	
	phosphorothioate			by skipping of exon 44of the	BioMarin
	oligonucleotide	n/a	11/5/2009	dystrophin gene.	Pharmaceutical, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1078					
	peptide-conjugated			Treatment of Duchenne muscular dystrophy in patients with a deletion, duplication or frame shift mutation correctable by skipping of exon 50 of the dystrophin gene to allow restoration of the reading frame	
	phosporodiamidate			(including mutations within	Sarepta Therapeutics,
	morpholino oligomer (PPMO)	n/a	9/3/2009	exons 51, 51-53, or 51-55).	Inc.
1079	Exon 45 specific phosphorothioate oligonucleotide	n/a	1/23/2013	Treatment of Duchenne Muscular Dystrophy patients bearing mutations that can be corrected by skipping exon 45	BioMarin Pharmaceutical, Inc.
1080	Exon 52 specific phosphorothiate oligonucleotide	n/a	1/23/2013	Treatment of Duchenne Muscular Dystrophy patients bearing mutations that can be corrected by skipping exon 52	BioMarin Pharmaceutical, Inc.
1081	exon 53 specific phosphorothioate oligonucleotide	n/a	1/23/2013	treatment of Duchenne Muscular Dystrophy patients bearing mutations that can be corrected by skipping exon 53	BioMarin Pharmaceutical, Inc.
1082	Exon 55 specific phosphorothioate oligonucleotide	n/a	1/23/2013	Treatment of Duchenne Muscular Dystrophy patients bearing mutations that can be corrected by skipping exon 55	BioMarin Pharmaceutical, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1083	adeno-associated viral vector				
	containing modified U11	,		Treatment of Duchenne muscular	
1001	snRNA	n/a	9/15/2010	dystrophy.	uniQure B.V.
1084					
	A dono a page sint ad vival ventar				
	Adeno-associated viral vector				
	differentially expressing microdystrophin 5 gene via the			Treatment of Duchenne muscular	
	muscle-specific promoter CK8.		8/31/2016	dystrophy.	Solid GT, LLC
1085	muscie-specific promoter ckg.	ii, a		Treatment of Duchenne	Sarepta Therapeutics,
1085	eteplirsen	n/a		Muscular Dystrophy.	Inc.
1086	Exon 51 specific	in a	10/23/2007	ividsedidi bystropity.	inc.
1000	phosphorothioate			Treatment of Duchenne	BioMarin
	oligonucleotide	n/a	8/25/2009	Muscular Dystrophy.	Pharmaceutical, Inc.
1087				Treatment of Duchenne muscular	
	Mazindol	Sanorex	12/8/1986	dystrophy.	Collipp, Platon J. M.D.
1088				Treatment of Duchenne muscular	
	naproxcinod	n/a	3/16/2015	dystrophy.	Nicox SA
1089					
	recombinant human anti-GDF-			Treatment of Duchenne	
	8 monoclonal antibody	n/a	7/24/2012	Muscular Dystrophy.	Pfizer, Inc.
1090	adeno-associated virus			Treatment of Duchennes and	
	transgene of follistatin	n/a	11/19/2012	Becker's muscular dystrophy	Milo Biotechnology
1091					
				Treatment of dynamic muscle	
				contracture in pediatric cerebral	
1000	Botulinum toxin type A	Botox	12/6/1991	palsy patients.	Allergan, Inc.
1092	la a al a f a ra	/-	42/2/2022	Tuestas aut of declarity	Medtronic
	baclofen	n/a	12/2/2003	Treatment of dystonia	Neurological
1093	recombinant human collagen alpha-1 (VII) chain homo-			Treatment of dystrophic	Shire Human Genetic
	trimer (rC7)	n/a	2/17/2014	epidermolysis bullosa	Therapies, Inc.
	uniner (IC/)	II/a	3/17/2014	epideriiloiysis bullosa	merapies, inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1094	autologous genetically				e:1 II
	modified human dermal	. 1.	6/40/2044	Treatment of dystrophic	Fibrocell
1005	fibroblasts	n/a	6/10/2014	epidermolysis bullosa.	Technologies, Inc.
1095	expanded allogeneic human dermal fibroblasts in			Treatment of Dustranhia	
	hypothermosol(r)-FRS	n/o	0/20/2000	Treatment of Dystrophic Epidermolysis Bullosa.	Interpretay I to
1096	hypothermosoi(r)-FRS	n/a	8/20/2009	Epidermolysis Bullosa.	Intercytex Ltd.
1096	2-Ethylbutyl (2S)-2-{[(S)-				
	{[(2R,3S,4R,5R)-5-(4-				
	aminopyrrolo[2,1-				
	f][1,2,4]triazin-7-yl)-5-cyano-				
	3,4-dihydroxytetrahydrofuran-				
	2-				
	yl]methoxy}(phenoxy)phospho				
	ryl]amino}propanoate	n/a	9/18/2015	Treatment of Ebola virus disease	Gilead Sciences, Inc.
1097				Treatment of Ebola virus	
	aphidicolin	n/a	4/20/2016	infection	Biospherics.net LLC
1098					
	monoclonal antibody				
	consisting of three				
	mouse/human chimeric IgG1				
	monoclonal antibodies (c2G4,				
	c4G7, and c13C6) that target			Treatment of Ebola virus	
	Ebola virus	n/a	8/25/2014	infection	LeafBio, Inc.
1099	three human IgG1 mAbs				
	(REGN3470, REGN3471, and				
	REGN3479) directed against				
	different epitopes on Ebola	,		Treatment of ebola virus	Regeneron
	virus glycoprotein	n/a	7/14/2016	intection	Pharmaceuticals, Inc.
1100				Transfer and of ECED III and a second	Callalan Theorem 11
	uin da na ni na sh		11/10/2027	Treatment of EGFRvIII-expressing	· ·
	rindopepimut	n/a	11/19/2007	glioblastoma multiforme	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1101				Treatment of Ehlers-Danlos	Acer Therapeutics,
	celiprolol	n/a	1/5/2015	syndrome	Inc.
1102				Treatment of emphysema in	
				patients due to alpha-1	
	hyaluronic acid	n/a	3/19/2002	antitrypsin deficiency	CoTherix
1103				Treatment of emphysema	
	Transgenic human alpha 1			secondary to alpha 1 antitrypsin	PPL Therapeutics
	antitrypsin	n/a	5/19/1999	deficiency.	(Scotland) Limited
1104					
				Treatment of emphysema	
	alpha1 proteinase inhibitor			secondary to congenital alpha1-	Grifols Therapeutics,
	,	n/a	1/29/2010	antitrypsin deficiency.	Inc.
1105	single chain urokinase				Lung Therapeutics,
	plasminogen activator	n/a	9/11/2014	Treatment of empyema (pleural)	Inc.
1106				Treatment of endogenous	Cortendo AB (HQ
	2S,4R ketoconazole	n/a	3/9/2012	Cushing's syndrome	address)
1107					
					Fera Pharmaceuticals,
	vancomycin	n/a	12/27/2012	Treatment of endophthalmitis	LLC
1108				Treatment of enteropathy-	
	brentuximab vedotin	Adcetris	7/7/2016	associated T-cell lymphoma.	Seattle Genetics, Inc.
1109					
				Treatment of envenomation by	
	Antivenom (crotalidae)			poisonous snakes belonging to	Ophidian
	purified (avian)	n/a	2/12/1991	the Crotalidae family.	Pharmaceuticals, Inc.
1110				Treatment of eosinophilic	Banner Life Sciences,
	fluticasone propionate	n/a	12/29/2015	esophagitis	LLC
1111	human monoclonal antibody				Novartis
	againt human interleukin 13 (IL-			Treatment of eosinophilic	Pharmaceuticals
	13)	n/a	10/15/2013	esophagitis	Corporaton

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1112	recombinant humanized anti-				
	interleukin 13 (IL-13)			Treatment of eosinophilic	Receptos Services,
	monoclonal antibody	n/a	2/11/2015	esophagitis	LLC
1113					
	recombinant fusion protein				
	with a truncated form of the			Treatment of Ep-CAM-positive	
	cytotoxic protein	D	4 /20 /2005	squamous cell carcinoma of the	No contra production
1111	Pseudomonas exotoxin	Proxinium	1/28/2005	head and neck	Viventia Biotech, Inc.
1114	Dannaaanaft	n/a	12/12/2010	Treatment of epidermolysis	Shire Regenerative
1115	Dermagraft	n/a	12/13/2010		Medicine, Inc. Castle Creek
1115	diacerein	n/o	10/15/2014	Treatment of epidermolysis	Pharmaceuticals
1116	dry extract from Betulae	n/a	10/15/2014	Treatment of epidermolysis	Pharmaceuticals
1110	Cortex (birch bark)	n/a	8/7/2014	· · · · · · · · · · · · · · · · · · ·	Birken AG
1117	Cortex (birtin bark)	li/a	6/7/2014	Dullosa	RegeneRx
111/				Treatment of epidermolysis	Biopharmaceuticals,
	Thymosin beta 4	n/a	5/28/2004	'	Inc.
1118	THY THE SHI DELLE T	11/4	3/23/2331	Treatment of epilepsy patients	
				who cannot take anything by	
	intravenous carbamazepine	n/a	6/27/2013	mouth (NPO)	Lundbeck LLC
1119	·			Treatment of epithelial	
				neoplasias of the vulva positive	
	HPV16 E6/E7 synthetic long			for human papilloma virus type	
	peptides vaccine	n/a	9/1/2011	16.	ISA Therapeutics BV
1120					
	Recombinant immunotoxin				
	combining the functional				
	components of antibody				
	against mesothelin and the				
	enzymatic activity of a			Treatment of epithelial ovarian	National Institutes of
	pseudomonas exotoxin	n/a	2/11/2002	cancer	Health

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1121				Treatment of epithelial ovarian cancer in combination with DNA-	
	veliparib	n/a	9/3/2009	damaging agents	AbbVie, Inc.
1122	·			Treatment of epithelial ovarian	Quest PharmaTech,
	Monoclonal antibody-B43.13	Ovarex Mab-B43.13	11/25/1996	cancer.	Inc.
1123	Epstein-Barr virus-specific autologous cytotoxic T	<i>x</i> (s	C /4.2 /204.4	Treatment of Epstein-Barr virus positive head and neck cancers (which includes nasopharyngeal	FFCom\/oo Dho Lhd
1124	lymphocytes autologous Epstein-Barr virus specific T-cells	n/a n/a		carcinoma) Treatment of Epstein-Barr virus positive non-Hodgkin lymphomas.	FFCanVac Pte Ltd Cell Medica, Inc.
1125	allogeneic Epstein-Barr virus cytotoxic T lymphocytes	n/a	2/4/2016	Treatment of Epstein-Barr virus- positive post-transplant lymphoproliferative disorders.	ATARA Biotherapeutics, Inc.
1126	lapatinib ditosylate hydrochloride	Tykerb	5/29/2009	Treatment of ErbB2 positive esophageal cancer	Novartis Pharmaceuticals Corp.
1127	lapatinib	Tykerb	5/29/2009	Treatment of ErbB2 positive gastric cancer	Novartis Pharmaceuticals Corp.
1128	vemurafenib	Zelboral	8/2/2016	Treatment of Erdheim-Chester Disease	Genentech, Inc.
1129	1'-{[5-(trifluoromethyl)-2- furyl]methyl}spiro[furo[2,3- f][1,3]benzodioxole-7,3'-indol]- 2'(1'H)-one	n/a	11/19/2012	Treatment of erythromelalgia	Teva Pharmaceuticals
1130	capsaicin	n/a	10/23/2002	Treatment of erythromelalgia	Acorda Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1131				Treatment of erythropoietic	
	afamelanotide	n/a	7/17/2008	porphyrias	Clinuvel Inc.
1132					Bristol-Myers Squibb
	nivolumab	Opdivo	8/22/2016	Treatment of esophageal cancer	Co.
1133					BTG International,
	paclitaxel aqueous gel	Oncogel(Tm)	2/1/2008	Treatment of esophageal cancer	Inc.
1134					
	Doxorubicin HCl with pluronic			Treatment of esophageal	
	L-61 and pluronic F-127	n/a	10/7/2005	carcinoma	Supratek Pharma Inc.
1135					
	aminolevulinic acid			Treatment of esophageal	DUSA
	hydrochloride	Levulan	3/20/2007	dysplasia	Pharmaceuticals, Inc.
1136					
	omeprazole-lansoprazole with				Effexus
	buffer	n/a	2/10/2015	Treatment of esophageal ulcers	Pharmaceuticals, LLC
1137				Treatment of esophageal variceal	
				hemorrhage patients with portal	
	vapreotide	Sanvar	1/10/2000	hypertension.	Debiovision, Inc.
1138				Treatment of essential	Porton International,
	Botulinum toxin type A	Dysport	3/23/1989	blepharospasm.	Inc.
1139					Ipsen
				Treatment of essential	Biopharmaceuticals,
		Dysport(R)	12/5/1991	blepharospasm.	Inc.
1140	pegylated proline interferon			Treatment of essential	PharmaEssentia,
	alpha-2b	n/a	4/11/2014	thrombocythemia	Corporation
1141				Treatment of essential	
	ruxolitinib phosphate	Jakafi	3/22/2010	thrombocythemia	Incyte Corporation
1142					
	ANA-conjugated dactunomycin				NanoSmart
	nanoemulsion	n/a	7/7/2015	Treatment of Ewing sarcoma	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1143					
	Small molecule Ewing Sarcoma				
	breakpoint region 1/Friend				
	leukemia virus integration 1	n /n	C /20 /201C	Treatment of Civing agreemen	Takalas Ins
1144	fusion protein inhibitor	n/a	6/30/2016	Treatment of Ewing sarcoma	Tokalas, Inc.
1144	bi-shRNA furin and GMCSF				
	Autologous Tumor Cell Vaccine	Fang	10/22/2014	Treatment of Ewing's sarcoma	Gradalis, Inc.
1145	Full Phosphorothioate	i ung	10/22/2014	Treatment of Ewing 3 surcoma	Gradans, me.
	Antisense Oligonucleotide				
	against EWS-Fli-1				The Cure Our
	~	n/a	9/22/2008	Treatment of Ewing's sarcoma	Children Foundation
1146	phosphorothioate antisense				
	olignucleotide against EWS-Fli-				The Cure Our
	1	n/a		Treatment of Ewing's sarcoma	Children Foundation
1147				Treatment of Ewing's sarcoma	
	fenretinide	n/a	2/1/2007	family of tumors.	Cancer Research UK
1148					
		Efdiana (Tas)	4 /45 /2042	Tooland of Finings Communication	TDP Biotherapeutics,
1140	Efdispo (tm)	Efdispo (Tm)	1/15/2013	Treatment of Ewings Sarcoma.	Inc.
1149	antinuclear antibody conjugated liposomal				NanoSmart
	doxorubicin	n/a	2/3/2015	Treatment of Ewing's sarcoma.	Pharmaceuticals, Inc.
1150	doxordolem	117 4	2/3/2013	Treatment of Ewing 3 surcoma.	Tharmaccaticals, inc.
	Liposomal N-Acetylglucosminyl-				
	N-Acetylmuramly-L-Ala-D-				
	isoGln-L-Ala -				
	gylcerolidpalmitoyl	Immther	6/10/1998	Treatment of Ewing's sarcoma.	Endorex Corp.
1151				Treatment of extranodal	
	idelalisib	n/a	10/15/2013	marginal zone lymphoma	Gilead Sciences, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1152				Treatment of Extranodal	
				marginal zone lymphoma	
				(mucosa-associated lymphatic	
	ublituximab	n/a	9/5/2013	tissue, MALT)	TG Therapeutics, Inc.
1153				Treatment of extranodal	
				marginal zone lymphoma of	
				mucosa-associated lymphoid	
	lenalidomide	Revlimid	4/29/2015	tissue	Celgene Corporation
1154					
				Treatment of extravasation of	
				meclorethamine hydrochloride	Норе
	sodium thiosulfate	n/a	12/2/2010	into subcutaneous tissues.	Pharmaceuticals
1155				Treatment of extreme insulin	
				resistance syndromes (type A,	
				Rabson-Mendenhall syndrome,	
				Leprechaunism, Type B	
	rhIGF-I/rhIGFBP-3	Somatokine	12/9/2003	syndrome)	Insmed, Inc.
1156	recombinant human acid				Enzyvant Sciences
	ceramidase	Plexcerase(Tm)	12/24/2013	Treatment of Faber disease	Ltd.
1157					Amicus Therapeutics,
	migalastat hydrochloride	n/a	2/25/2004	Treatment of Fabry Disease	Inc.
1158					
					Actelion
	lucerastat	n/a	10/29/2015	Treatment of Fabry Disease.	Pharmaceuticals Ltd
1159	(3S)-1-azabicylo[2.2.2]oct-3yl				
	{2-[2-(4-fluorophenyl)-1,3-				
	thiazol-4-yl]propan-2-				
	yl}carbamate	n/a	8/26/2014	Treatment of Fabry's disease	Genzyme Corporation
1160		Plant-Produced Human A-			
	a-Galactosidase A	Glactosidase A	1/21/2003	Treatment of Fabry's disease	iBio, Inc.
1161	1,5-(Butylimino)-1,5 dideoxy,D-				
	glucitol	n/a	5/12/1998	Treatment of Fabry's disease.	Oxford GlycoSciences

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1162					Desnick, Robert J.
	Alpha-galactosidase A	Fabrase	7/20/1990	Treatment of Fabry's disease.	M.D.
1163				Treatment of facial	
				angiofibromas (FA) associated	
				with tuberous sclerosis complex	
	rapamycin	n/a	2/24/2016	(TSC).	DSLP
1164				Treatment of	
	recombinant human histidyl			facioscapulohumeral muscular	
	tRNA synthetase	n/a	4/22/2015	dystrophy	aTyr Pharma, Inc.
1165				Treatment of fallopian tube	Oncolytics Biotech,
	pelareorep	Reolysin	2/24/2015	cancer	Inc.
1166				Treatment of Familial	Cancer Prevention
	eflornithine	n/a	2/4/2011	Adenomatous Polyposis	Pharmaceuticals
1167					
				Treatment of familial	Cancer Prevention
	eflornithine plus sulindac	n/a	1/22/2013	adenomatous polyposis	Pharmaceuticals, Inc.
1168				Treatment of familial	S.L.A. Pharma Ltd.
	eicosapentaenoic acid	n/a	3/8/2011	adenomatous polyposis	(UK)
1169					
	live attenuated E. Coli			Treatment of Familial	
	expressing Beta catenin shRNA	n/a	12/20/2010	Adenomatous Polyposis	Marina Biotech
1170				Treatment of familial	StemSynergy
	pyrvinium	n/a	1/5/2015	adenomatous polyposis	Therapeutics, Inc.
1171	magnesium lysinate bis			Treatment of familial	Thetis
	eicosapentaenoate	n/a	12/23/2015	adenomatous polyposis.	Pharmaceuticals
1172	antisense oligonucleotide				
	targeted to human			Treatment of familial amyloid	Isis Pharmaceuticals,
	transthyretin (TTR) mRNA	n/a	7/24/2012	polyneuropathy	Inc.
1173				Treatment of familial amyloid	
	tafamidis	n/a	5/23/2006	polyneuropathy	Pfizer, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1174					
	synthetic double-stranded				
	siRNA oligonucleotide against	,	21	Treatment of familial amyloidotic	·
4455	transthyretin (TTR) mRNA	n/a	6/14/2012	polyneuropathy	Pharmaceuticals, Inc.
1175				Treatment of familial benign	
	a fa ua a la ua a ti da	I.a.	E /4 4 /204 4	chronic pemphigus (Hailey-Hailey	Cliannal Inc
1176	afamelanotide	n/a	5/14/2014	disease)	Clinuvel, Inc.
11/6				Treatment of Familial	Aegerion
	Iomitapide	n/a	2/2/2011	Chylomicronemia	Pharmaceuticals, Inc.
1177	volanesorsen sodium,	11/ a	3/3/2011	Citylornicionernia	Filalifiaceuticals, file.
11//	apolipotrotein C-III antisense			treatment of familial	Ionis
	· · ·	n/a		chylomicronemia syndrome	Pharmaceuticals, Inc.
1178	ongonacicotiac	117 G	0/23/2013	enyionneronerma synaronie	That maceuticals, me.
1170				Treatment of familial	Teva Pharmaceuticals
	Secalciferol	Osteo-D	7/26/1993	hypophosphatemic rickets.	USA
1179				<i>"</i> '	Novartis
				Treatment of familial	Pharmaceuticals
	canakinumab	Ilaris	12/5/2013	mediterranean fever	Corporation
1180				Treatment of familial	Philip J Hashkes, MD,
	rilonacept	Arcalyst	1/9/2013	Mediterranean fever	MSc.
1181					Centro de
	Fancalen (lentiviral vector				Investigacion
	containing the Fanconi anemia-			Treatment of Fanconi anemia	Biomedica en Red
	A (FANCA) gene	n/a	5/2/2016	type A patients.	(CIBER)
1182					
					Tropicalis
	triclabendazole	Triclathera(Tm)	6/27/2016	Treatment of fascioliasis.	Pharmaceuticals, LLC
1183		Triheptanoim-Sasol			Baylor Research
	Triheptanoin	Special Oil	5/26/2006	Treatment of fatty acid disorders	Institute

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1184					
				Treatment of fatty acid oxidation	· ,
	triheptanoin	n/a	4/15/2015	disorders	Pharmaceutical, Inc.
1185	4-(6-(4-(piperazin-1- yl)phenyl_pyrazolo[1,5-				La Jolla
	a]pyrimidin-3-yl)quinoline			Treatment of fibrodysplasia	Pharmaceutical
	hydrochloride	n/2	4/15/2012	ossificans progressiva	Company, Inc.
1186	nydrochionde	n/a	4/15/2013	ossificaris progressiva	Company, inc.
1100				Treatment of fibrodysplasia	Clementia
	palovarotene	n/a	7/21/2014	ossificans progressiva	Pharmaceuticals, Inc.
1187	3-(4-(1,5-Napthrydine)-	1.7 %	7, ==, === :		The market and a second a second and a second a second and a second a
	Imidazole[1,2-a]pyridine-7-(1-				La Jolla
	phenyl-4-(1-(4-methyl			Treatment of fibrodysplasia	Pharmaceutical
	piperazine)	n/a	7/14/2015	ossificans progressiva.	Company, Inc.
1188	3-(4-(8-fluoroquinoline)-				
	Imidazole[1,2-a]pyridine-7-(1-				La Jolla
	phenyl-4-(1-(4-methyl			Treatment of fibrodysplasia	Pharmaceutical
	piperazine)	n/a	7/14/2015	ossificans progressiva.	Company, Inc.
1189					
	humanized monocloncal			Treatment of fibrosis-associated	
	antibody against human			chronic allograft nephropathy in	
	integrin alphaVbeta6	n/a	6/18/2008	kidney transplant patients.	Stromedix, Inc.
1190					
				Treatment of flavivirus infections	
				including those due to West Nile,	
				Japanese encephalitis, dengue,	
				St. Louis encephalitis, yellow	
	nolvinosinio nolvevitidilio s =!-!	Doly Jolo	2/2/2002	fever, Murray valley, and Banzai	Oncovir
1191	polyinosinic-polycytidilic acid	Poly-Iclc	3/3/2003	viruses	Oncovir
1191				Treatment of Focal Segmental	
	snarsentan	n/a	1/5/2015	Glomerulosclerosis	Retrophin IIC
	sparsentan	n/a	1/5/2015	Glomerulosclerosis	Retrophin, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1192					
	propagermanium and			Treatment of focal segmental	Dimerix Bioscience
	irbesartan	n/a	12/9/2015	glomerulosclerosis.	Ltd.
1193					
	(S)-3-(1-(9H-purin-6-				
	ylamino)ethyl)-8-chloro-2-			Treatment of follicular	Infinity
	phenylisoquinolin-1(2H)-one	n/a	8/1/2013	lymphoma	Pharmaceuticals, Inc.
1194				Treatment of Follicular	
	177Lu-tetraxetan-tetulomab	Betalutin	5/14/2014	Lymphoma	Nordic Nanovector AS
1195	4, 5 dibromorhodamine	Theralux Photodynamic		Treatment of follicular	Kiadis Pharma
	methyl ester	Therapy	10/30/2008	lymphoma	Canada, Inc.
1196					
				Treatment of follicular	Bayer HealthCare
	copanlisib	n/a	2/5/2015	lymphoma	Pharmaceuticals, Inc.
1197					
				Treatment of follicular	Janssen Research &
	daratumumab	n/a	8/6/2015	lymphoma	Development, LLC
1198				Treatment of follicular	Biovest International,
	dasiprotimut-T	Biovaxid	10/28/2009	lymphoma	Inc.
1199					
	humanized IgG1 monoclonal			Treatment of follicular	
	anti-CD20 antibody	n/a	5/26/2011	lymphoma	MENTRIK Biotech, LLC
1200				Treatment of follicular	
	ibrutinib	n/a	9/8/2014	lymphoma	Pharmacyclics, LLC
1201				Treatment of follicular	
	lenalidomide	Revlimid	9/17/2013	lymphoma	Celgene Corporation
1202				Treatment of follicular	Allos Therapeutics,
	pralatrexate	n/a	10/20/2008	lymphoma	Inc.
1203	rituximab and recombinant			Treatment of follicular	
	human hyaluronidase	n/a	8/22/2016	lymphoma	Genentech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1204					
	autologous T-cells transduced				
	with retroviral vector encoding			Total or all of falls of the	
	an anti-CD19 CD28/CD3-zeta	n /o	4/25/2016	Treatment of follicular	Kita Dharma Inc
1205	chimeric antigen receptor	n/a	4/25/2016	lymphoma.	Kite Pharma, Inc.
1205				Treatment of follicular non-	Millennium
	bortezomib	Velcade	1/4/2011	Hodgkin lymphoma	Pharmaceuticals, Inc.
1206			_, .,		
				Treatment of follicular,	
				medullary, and anaplastic thyroid	
				carcinoma and metastatic or	
				locally advanced papillary thyroid	Translational
	ribavirin elaidate	n/a	9/2/2011	cancer	Therapeutics, Inc.
1207					
	Prostaglandin E1 enol ester		6/40/4000	Treatment of Fontaine Stage IV	LTT Baio-Pharma Co.,
1200	(AS-013)	Circulase	6/12/1998	chronic critical limb ischemia.	Ltd
1208	(-)-(3aR,4S,7aR)-4-Hydroxy-4-				
	m-tolylethynyl-octahydro-				Novartis
	indole-1-carboxylic acid				Pharmaceuticals
	methyl ester	n/a	10/12/2011	Treatment of Fragile X syndrome	Corp.
1209		, - 	_3,, _311		
					Confluence
	acamprosate	n/a	3/25/2013	Treatment of fragile X syndrome	Pharmaceuticals, LLC
1210					
					Sigma-Tau
	acetyl-l-carnitine	n/a	7/24/2012	Treatment of Fragile X syndrome	Pharmaceuticals, Inc.
1211					Hoffmann-La Roche,
	basimglurant	n/a	3/9/2012	Treatment of Fragile X Syndrome	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1212					
		. /-	2/22/2016		Zynerba
1213	cannabidiol	n/a	2/23/2016	Treatment of Fragile X syndrome	Pharmaceuticals, Inc.
	Fenobam hydrochloride	n/a	11/20/2006	Treatment of fragile X syndrome	Neuropharm, Ltd.
1214					
	glycyl-L-2-methylprolyl-L-	,	40/22/2042		Neuren
1215	glutamic Acid	n/a	10/23/2013	Treatment of Fragile X Syndrome	Pharmaceuticals, Ltd.
1215	metadoxine	n/a	12/16/2013	Treatment of Fragile X Syndrome	Alcobra, Inc.
1216					
	Valproate	n/a	5/5/2008	Treatment of fragile X syndrome	Neuropharm Ltd,
1217	(3S)-(+)-(5-chloro-2- methoxyphenyl)-1,3-dihydro-3- fluoro-6-(trifluoromethyl)-2H- indol-2-one	n/a	12/0/2015	Treatment of Fragile X Syndrome.	Centre National de la Recherche
1218	indoi-2-one	ii/ a	12/3/2013	Treatment of Tragile X Syndrome.	Neurotrope
1210	bryostatin 1	n/a	3/31/2015	Treatment of Fragile X Syndrome.	' '
1219	guanfacine	Tenex			Watson Laboratories,
1220				,	Wellesley
	c , , ,	n/a	6/17/2010	Treatment of Frey's syndrome	Therapeutics, Inc.
1221	9-cis, 12-cis-11,11-d2-linoleic acid ethyl ester	n/a	5/23/2016	Treatment of Friedreich's Ataxia	Retroitope, Inc.
1222	,	,			, ,
	deferiprone	n/a	7/31/2008	Treatment of Friedreich's ataxia	ApoPharma, Inc.
1223	dimethyl fumarate	n/a	9/11/2013	Treatment of Friedreich's Ataxia	Gino Cortopassi
1224					Carthan
	idebenone	n/a	3/25/2004	Treatment of Friedreich's ataxia	Santhera Pharmaceuticals LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1225					
	interferon gamma	n/a	11/4/2011	Treatment of Friedreich's ataxia	Roberto Testi, MD
1226	_				Horizon Pharma
	interferon gamma-1b	Actimmune	10/1/2014	Treatment of Friedreich's Ataxia	Ireland Limited
1227	recombinant, adeno- associated virus serotype 5				
	vector, containing the transgene, which encodes for the human protein, frataxin	n/a	7/25/2016	Treatment of Friedreich's Ataxia	Agilis Biotherapeuties, LLC
1228	vatiquinone	Vincerinone	1/31/2014	Treatment of Friedreich's ataxia	Edison pharmaceuticals, Inc.
1229			_, _, _,		
	coenzyme Q10 and d-alpha-	. 1.	2/44/2044	Total on all of Fital attalls Alex to	NBI Pharmaceuticals,
1220	tocopherol	n/a	3/14/2011	Treatment of Friedreich's Ataxia.	Inc.
1230	tolfenamic acid	n/a	7/13/2016	Treatment of Frontotemporal Dementia	Nasser H. Zawia
1231		,		Treatment of frontotemporal dementia, including all	EVER Neuro Pharma
	cerebrolysin	n/a	4/5/2016	subvariants	GmbH
1232	1-(2,8-Dimethyl-1-thia-3,8-diazaspiro[4.5]dec-3-yl)-3-(1H-indol-3-yl)propan-1-one	n/a		Treatment of frontotemporal dementia.	Anavex Life Sciences Corp.
1233	Autologous cultured endothelial cells on a donor human corneal disk	n/a	6/1/2007	Treatment of Fuch's dystrophy, pseudophakic bullous keratopathy, and bullous keratopathy	Cellular Bioengineering, Inc.
1234	mamair cornear disk	,,,, c	0, 1, 2007	neracopacity	
	Transforming growth factor-			Treatment of full thickness	Celtrix
	beta 2	n/a	12/18/1992	macular holes.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1235	Beractant	Survanta Intratracheal Suspension	12/20/1993	Treatment of full-term newborn infants with respiratory failure caused by meconium aspiration syndrome, persistent pulmonary hypertension of the newborn, or pneumonia and sepsis.	Ross Laboratories
1236					
	Immortalized human liver cells found in the extracorporeal liver assist device	Elad	7/16/2004	Treatment of fulminant hepatic failure (acute liver failure)	Vital Therapies, Inc.
1237					
		,	- / /	Treatment of fungal otitis	Hill Dermaceuticals,
1238	miconazole	n/a	5/22/2014	externa (otomycosis) Treatment of fungal otitis	Inc. Laboratorios SALVAT
1238	clotrimazole otic solution	n/a	5/10/2016	externa (otomycosis).	S.A.
1239	antibody drug conjugate consisting of fully human antiguanylyl cyclase C monoclonal antibody linked to the cytotoxic drug monomethyl auristatin E	n/a		Treatment of gastric cancer	Millennium Pharmaceuticals, Inc.
1240		,	- 4 : 4		Neoviibiotech North
1241	catumaxomab	n/a	7/1/2009	Treatment of gastric cancer	America, Inc.
1241	chimeric monoclonal antibody to claudin 18 splice variant 2	n/a	11/20/2012	Treatment of gastric cancer	GANYMED Pharmaceuticals AG
1242	doxorubicin with pluronics F- 127 and L-61	n/a	2/20/2008	Treatment of gastric cancer	Supratek Pharma, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1243					
					Cancer Prevention
	eflornithine HCL	n/a	4/7/2015	Treatment of gastric cancer	Pharmaceuticals, Inc.
1244		-	= /40/000		
1015	G17DT Immunogen	Gastrimmune(Tm)	//18/2002	Treatment of gastric cancer	Cancer Advances, Inc.
1245	liposome encapsulated	. 1.	42/2/2044	T	Insys Therapeutics,
1246	paclitaxel	n/a	12/3/2014	Treatment of gastric cancer	Inc.
1246	nolorooron	Doolysin	F /4/201F	Treatment of gastric cancer	Oncolytics Biotech,
1247	pelareorep recombinant humanized anti-	Reolysin	5/4/2015	Treatment of gastric cancer	Inc.
1247	matrix metalloprotein 9				
	(MMP9) monoclonal antibody				
	IgG4	ln/a	7/16/2015	Treatment of gastric cancer	Gilead Sciences, Inc.
1248	180-	lii/ u	7/10/2013	Treatment of gastric cancer	Taiho Pharma USA,
1240	 Tegafur/gimeracil/oteracil	n/a	7/20/2006	Treatment of gastric cancer	Inc.
1249	telatinib	n/a		Treatment of gastric cancer	ACT Biotech Inc.
1250	tesetaxel	n/a		Treatment of gastric cancer	Genta Inc.
1251				Treatment of gastric cancer	
				including cancer of the	
	masitinib mesylate	n/a		gastroesophageal junction	AB Science
1252					
	recombinant, glycoenfineered				
	humanized IgG1 kappa				
	monoclonal antibody directed			Treatment of gastric cancer	
	against Fibroblast Growth			including cancer of the	Five Prime
	Factor Receptor 2b	n/a	6/29/2016	gastroesophageal junction.	Therapeutics, Inc.
1253				Treatment of gastric cancer	
				including gastroesophageal	
	rilotumumab	n/a	6/18/2012	junction adenocarcinoma	Amgen, Inc.
1254				Treatment of gastric cancer	
] ,		including gastroesophageal	Boston Biomedical,
	napabucasin	n/a	6/20/2016	junction cancer.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1255				Treatment of gastric cancer,	
				including gastroesophageal	Merck, Sharp &
	pembrolizumab	Keytruda	6/16/2015	junction adenocarcinoma	Dohme
1256				Treatment of gastric cancer,	
				including gastroesophageal	
	pertuzumab	n/a	7/12/2013	junction cancer	Genentech, Inc.
1257					Minneamrita
	C21H27O10P	Minnelide	3/30/2015	Treatment of gastric cancer.	Therapeutics, LLC
1258					ASLAN
	varlitinib	n/a	6/20/2016	Treatment of gastric cancer.	Pharmaceuticals
1259					
	R-1-[2,3-dihydro-2-oxo-1-				
	pivaloylmethyl-5-(2-pyridyl)-1				
	H -1,4-benzodiazepine -3-yl]-3-				
	(3-methylaminophenyl)urea	n/a	9/10/2009	Treatment of gastric carcinoids	Trio Medicines Ltd.
1260					
	(R)-1-[1-(4-Acetoxy-3,3-				
	dimethyl-2-oxo-butyl)-2-oxo-5-			_	
	(pyridin-2-yl)-2,3-dihydro-1H-			Treatment of gastric	
	benzo[e][1,4]diazepin-3-yl]-3-			neuroendocrine tumors (gastric	
	(3-methylamino-phenyl)-urea	n/a	5/12/2016	-	Trio Medicines Ltd.
1261				Treatment of gastro-entero-	ITG Isotope
				pancreatic neuroendocrine	Technologies
	lutetium (177Lu)-edotreotide	n/a	5/21/2015		Garching GmbH
1262				Treatment of gastro-entero-	
	[Lu-177]-DOTA-Tyr3-			pancreatic neuroendocrine	Advanced Accelerator
	Octreotate	n/a	1/12/2009		Applications
1263				Treatment of gastrointestinal and	
	vapreotide	Octastatin	1/10/2000	pancreatic fistulas.	Debiopharm S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1264				Treatment of gastrointestinal	
				disturbances (to include	
				constipation, diarrhea, and	
				abdominal pain) associated with	
			0 / 1 5 / 2 0 0 0	regression-onset autism in	Latona Life Sciences,
1265	human gammaglobulin	Oralgam	9/16/2002	pediatric patients.	Inc.
1265	Inhibitor of primary and				
	secondary KIT and PDGFR alpha kinase mutants found in			Treatment of gastrointestinal	Deciphera
	GIST	n/a	10/2/2014	stromal tumors (GIST)	Pharmaceuticals, LLC
1266	0131	II/ a	10/2/2014	stromar tumors (dist)	r ilai illaceuticais, LLC
1200				Treatment of gastrointestinal	ARIAD
	ponatinib	Iclusig(R)	3/12/2015	stromal tumors (GIST).	Pharmaceuticals, Inc.
1267		or of the			
	Small Molecule Inhibitor of			Treatment of gastrointestinal	Blueprint Medicines
	Exon 17 mutant KIT	n/a	1/6/2016	stromal tumors (GIST).	Corporation
1268				Treatment of gastrointestinal	
				symptoms with chronic graft	
				versed host disease in patients	
				undergoing allogenic	
	beclomethasone 17,21-			hematopoietic cell	
	dipropionate	Orbec(R)	7/24/2009	transplantation	Soligenix, Inc.
1269	(3S)-1-azabicyclo[2.2.2]oct-3-yl				
	{2-[2-(4-fluorophenyl)-1,3-				
	thiazol-4-yl]propan-2-	n /o	0/11/2014	Treatment of Caucher disease	Consumo
1270	yl}carbamate	n/a	9/11/2014	Treatment of Gaucher disease	Genzyme
12/0	ambroxol	n/a	6/29/2011	Treatment of Gaucher disease	Belrose Pharma, Inc.
1271	311101 0701	·· <i>y</i> ~	3, 23, 2011	Treatment of Guarier discuse	Amicus Therapeutics,
	isofagomine tartrate	n/a	1/10/2006	Treatment of Gaucher disease	Inc.
1272			, ,		
	L-cycloserine	n/a	8/1/1989	Treatment of Gaucher's disease.	Lev, Meir M.D.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1273	solnatide	n/a	2/8/2016	Treatment of generalized systemic pseudohypoaldosteronism type 1 (also known as autosomal recessive PHA-I or PHA-IB)	Apeptico Forschung und Entwicklung GmbH
1274	self-complimentary adeno- associated virus vector, serotype 9, packaging the full lenght GAN gene in the viral capsid	n/a	9/27/2013	Treatment of Giant Axonal Neuropathy	Hannah's Hope Fund
1275	20-mer oligonucleotide	n/a		Treatment of glioblastoma	Rexahn Corporation
1276	3-(5-Fluoro-benzofuran-3-yl)-4- (5-methyl-5H-[1,3]dioxolo[4,5- f]indol-7-yl)-pyrrole-2,5-dione	n/a	3/29/2016	Treatment of glioblastoma	Actuate Therapeutics
1277	Anti-Beta1 integrin monoclonal antibody	n/a		Treatment of glioblastoma	OncoSynergy, Inc.
1278	autologous tumor cells fused with polyethylene glycol to human allogeneic FO-1, DNA plasmid transfected tumor cell line	n/a	5/6/2015	Treatment of glioblastoma	Sebastiano Gattoni- Celli, MD
1279	cediranib	n/a		Treatment of glioblastoma	National Institutes of Health
	nivolumab	n/a	8/27/2015	Treatment of glioblastoma	Bristol-Myers Squibb Co
1281	trans sodium crocetinate	n/a	7/21/2011	Treatment of glioblastoma in conjunction with radiotherapy	Diffusion Pharmaceuticals, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1282					
				Treatment of glioblastoma in	
	olaptesed pegol	n/a	8/19/2014	conjunction with radiotherapy.	Noxxon Pharma AG
1283					
	8-(1-Hydroxy-ethyl)-2-methoxy-				
	3-(4-methoxy-benzyloxy)-			Treatment of glioblastoma	Diffusion
	benzo[c]chromen-6-one	n/a	1/21/2015	multiforme	Pharmaceuticals, Inc.
1284				Treatment of glioblastoma	
	aldoxorubicin	n/a	9/24/2014	multiforme	CytRx Corporation
1285					
	autologous ex vivo expanded				
	CD4+-enriched leukocytes				
	treated with the de-				
	methylating agent 5-aza-			Treatment of glioblastoma	
	2â⿬⿢-deoxycytidine	Alecsat	9/13/2013	multiforme	CytoVac A/S
1286				Treatment of glioblastoma	Insys Therapeutics,
	cannabidiol	n/a	8/20/2014	multiforme	Inc.
1287				Treatment of glioblastoma	Denovo Biopharma
	Enzastaurin	n/a	9/19/2005	multiforme	LLC
1288					
	Human Monoclonal Antibody				
	against Epidermal Growth				
	Factor Receptor Linked to			Treatment of glioblastoma	
	Monomethylauristatin F	n/a	5/29/2014	multiforme	AbbVie, Inc.
1289				Treatment of glioblastoma	CTI BioPharma
	paclitaxel poliglumex	Opaxio	9/20/2012	multiforme	Corporation
1290	Recombinant fusion protein-				
	extracellular portion of CD95				
	fused to the Fc part of human			Treatment of glioblastoma	
	lgG1	n/a	10/13/2009	multiforme	Apogenix GmbH

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1291					
				Treatment of glioblastoma	Bexion
	saposin C	n/a	2/3/2015	multiforme	Pharmaceuticals, LLC
1292					
	[N / Ola series N - Alive sell N -				
	[a-N-(2'succinyl-paclitaxel)Thr]-				
	Phe-Phe-Tyr-Gly-Gly-Ser-Arg-				
	Gly-[epsilon-N-(2'succinyl- paclitaxel)Lys]-Arg-Asn-Asn-				
	Phe-[epsilon-N-(2'succinyl-			Treatment of glioblastoma	
	paclitaxel)Lys]-Thr-Glu-Glu-Tyr	n/2	E/14/2014	multiforme	Angiochem, Inc.
1293	[AC3-yCD2(V)] and Flucytosine	ii/ a	3/14/2014	Treatment of glioblastoma	Angiochem, mc.
1233		n/a	1/12/2011	multiforme	Tocagen, Inc.
1294	nano-diamino-	11/ 0	1/12/2011	Treatment of glioblastoma	NanoPharmaceuticals
123.		n/a	7/9/2015	multiforme (GBM)	, LLC
1295	,		.757=5=5	(52)	, ===
	6-{4-[l-(propan-2-yl)piperidin-4-				
	yl]-1,4-diazepan-1-yl}-N-				
	(pyridin-4-yl)pyridine-2-			Treatment of glioblastoma	Upsher-Smith
	carboxamide	n/a	2/11/2016	multiforme (GBM).	Laboratories, Inc.
1296					
	Iodine I-131 radiolabeled			Treatment of glioblastoma	
	chimeric MAb tumor necrosis			multiforme and anaplastic	Peregrine
	treatment (TNT-1B)	131ichtnt-1	2/12/1999	astrocytoma.	Pharmaceuticals, Inc.
1297				Treatment of glioblastoma	
				multiforme when used in	
				combination with DNA-damaging	
	veliparib	n/a	5/9/2008	agents	AbbVie, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1298	2-{3-[(3R)-3-({[2-chloro-3-				
	(trifluoromethyl)phenyl]methy				
	}(2,2-				
	diphenylethyl)amino)butoxy]p	l-	C /4 C /204 F	Treatment of glioblastoma	Description land
1200	henyl}acetic acid	n/a	6/16/2015	multiforme.	Rgenix, Inc.
1299				Treatment of glioblastoma	Deciphera
	altiratinib	n/a	9/10/2014	multiforme.	Pharmaceuticals, LLC
1300		II/ d	0/13/2014	Treatment of glioblastoma	Filalifiaceuticals, LLC
1300	chloroquine	n/a	5/20/2015	multiforme.	DualTpharma B.,V.
1301	e.mer equine	,	3/20/2013		Baarr priarma Bij vi
	combination of disulfiram and			Treatment of glioblastoma	Cantex
	copper gluconate	n/a	5/18/2016	multiforme.	Pharmaceuticals, Inc.
1302				Treatment of glioblastoma	
	Disufenton sodium	n/a	8/22/2016	multiforme.	Oblato, Inc.
1303				Treatment of glioblastoma	
	Fluorouracil	n/a	6/29/2000	multiforme.	Ethypharm SA
1304	human recombinant bone			Treatment of glioblastoma	HyperStem
	morphogenetic protein 4	n/a	5/4/2016	multiforme.	Therapeutics, Inc.
1305				Treatment of glioblastoma	
	Hypericin	n/a	8/3/2000	multiforme.	HyBiopharma, Inc.
1306	methimazole and liothyronine			Treatment of glioblastoma	Musli Thyropeutics
	sodium	n/a	6/2/2016	multiforme.	Ltd
1307	6 10		0/05/2000	Treatment of glioblastoma	
1200	mibefradil	n/a	8/25/2009	multiforme.	Cavion, LLC
1308	Manuface Itia	A = i	44 /5 /2000	Treatment of glioblastoma	D. A. marria dua
	Varbulin	Azixa	11/5/2009	multiforme.	Myrexis, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1309	1 1 1 1 1 1 1 1 1				
	dendritic cells pulsed with				
	synthetic peptides derived				
	from antigens MAGE1, HER-2, AIM-2,TRP-2, gp100 and			Treatment of glioblastoma or	ImmunoCellular
		n/a	6/7/2010	brain stem glioma	Therapeutics Ltd.
1310	7-benzyl-4-(2-methylbenzyl)-	ii/a	0/7/2010	brain stem giloma	Therapeutics Ltu.
1310	1,2,6,7,8,9-				
	hexahydroimidazo[1,2-				
	a]pyrido[3,4-e]pyrimidin-5(4H)-				
	one*2HCl	n/a	6/23/2016	Treatment of glioblastoma.	Oncoceutics, Inc.
1311				g	·
	(3,5-Bis trifluoromethyl)-N-[4-				
	methyl-3-(4-pyridin-3yl-				
	pyrimidin-2-yl amino) phenyl]				NATCO Pharma
		n/a	3/18/2011	Treatment of Glioma	Limited
1312	(S)-perillyl alcohol				NeOnc Technologies,
	temozolomide	n/a	11/12/2014	Treatment of glioma	Inc.
1313	adenovirus delta 24-RGD, an				
	oncolytic adenovirus				
	genetically modified for	n /o	10/1/2014	Treatment of aliems	DNA+riv Inc
1314	treatment of glioma	n/a	10/1/2014	Treatment of glioma	DNAtrix, Inc. CDG Therapeutics,
1314	Azurin-p28	n/a	12/2/2015	Treatment of glioma	Inc.
1315	/ 124/111 μ20	· · / ·	12/2/2013	Treatment of gnorm	Insys Therapeutics,
1313	cannabidiol	n/a	9/24/2014	Treatment of glioma	Inc.
1316		,	= -, = -, = -,	S	Mateon Therapeutics,
	fosbretabulin tromethamine	n/a	6/8/2016	Treatment of glioma	Inc.
1317	Glutathione pegylated				
	liposomal doxorubicin				to-BBB technologies
	hydrochloride	n/a	8/16/2010	Treatment of glioma	BV
1318	Nimotuzumab	n/a	11/17/2004	Treatment of glioma	InnoKeys PTE Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1319	oncophage	n/a	4/14/2009	Treatment of glioma	Agenus, Inc.
1320					NeOnc Technologies,
	perillyl alcohol	n/a	4/18/2011	Treatment of glioma	Inc.
1321					
	pritumumab	n/a	10/28/2014	Treatment of glioma	Nascent Biotech, Inc.
1322					
	recombinant, non-pathogenic				
	poliovirus:rhinovirus chimera				
	that consists of the genome of the live attenuated poliovirus				
	serotype 1 vaccine with its				
	cognate IRES element replaced				Darell D. Bigner, MD,
	· ·	n/a	5/26/2016	Treatment of glioma	PhD
1323	transforming growth factor-	ii/ a	3/20/2010	Treatment of ghoma	FIID
	beta receptor 1 kinase				
	inhibitor	n/a	3/11/2013	Treatment of glioma	Eli Lilly and Company
1324		,	0, 11, 1010	The determinant of Bright	Therapeia GmbH &
-5-	4-[131I]iodo-L-phenylalanine	n/a	1/4/2011	Treatment of glioma.	Co KG
1325		,	, ,	ő	
	delta-9-tetrahydrocannibinol				
	and cannabidiol	n/a	12/3/2015	Treatment of glioma.	GW Research Ltd.
1326	glioma derived cell lysates and				Epitopoietic Research
	irradiated cells	n/a	1/12/2011	Treatment of glioma.	Corp.
1327	human leukocyte antigen-A2				Stemline
	restricted peptides	n/a	1/26/2015	Treatment of glioma.	Therapeutics, Inc.
1328					MedGenesis
	liposomal gadodiamide	n/a	11/12/2008	Treatment of glioma.	Therapeutix, Inc.
1329	N-(4-Methoxyphenyl)-N,2,6-				
	trimethylfuro[2,3-d] pyrimidin-				Flag Therapeutics,
	4-amine	n/a	2/18/2016	Treatment of glioma.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1330	abeotaxane inhibitor of				
	microtubules	n/a	10/7/2011	Treatment of gliomas	Cortice Biosciences
1331	antineoplaston A10,				Burzynski Research
	antineoplaston AS2-1	n/a		Treatment of gliomas	Institute, Inc.
1332	cytarabine liposome	Depocyt	1/30/2007	Treatment of gliomas	Bruce Frankel, MD
1333	liposomal topotecan				MedGenesis
	hydrochloride	n/a	10/30/2008	Treatment of gliomas	Therapeutix, Inc.
1334	N-(3-fluorobenzyl)-2-(5-(4-				
	morpholinophenyl) pyridin-2-				Kinex
	yl) Acetamide Besylate	n/a		Treatment of gliomas	Pharmaceuticals, Inc.
1335	oxaloacetate	n/a	7/24/2012	Treatment of gliomas	Terra Biological LLC
1336	, , , , , , , , , , , , , , , , , , , ,				
	Oleate-Ester	n/a	6/15/2011	Treatment of gliomas.	Intsel Chimos SA
1337	recombinant human				
	galactocerebrosidase			Treatment of globoid cell	
	(rhGALC);	Galaczym	12/12/2011	leukodystrophy (Krabbe Disease)	ACE BioSciences A/S
1338					
				Treatment of glucose transporter	• ,
	triheptanoin	n/a	10/21/2014	type-1 deficiency syndrome	Pharmaceutical, Inc.
1339				Treatment of glycogen storage	GlyGenix
	AAV-G6Pase vector	n/a	3/11/2013	disease type Ia	Therapeutics, Inc.
1340					
				Treatment of glycogen storage	Michael K. Davis, MD,
	amylopectin	n/a	3/24/2015	disease types Ia and Ib	MBA
1341					
		Triheptanoin-Sasol Special		Treatment of glycogen storage	Baylor Research
	Triheptanoin	Oil	2/1/2008	disorder II (Pompe disease)	Institute
1342					
				Treatment of GM-2	
] ,	-11	gangliosidoses (Tay-Sachs disease	
	pyrimethamine	n/a	8/16/2011	and Sandhoff disease).	ExSAR Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1343					
	Coding the character for discount			Total control of condetune along	
	Sodium phenylacetate/sodium	Ammonul(D)	6/2/2005	Treatment of grade III and IV	Havelud Dharma Inc
1344	benzoate 10%/10% Injection alpha-1 proteinase inhibitor	Ammonul(R)	0/3/2003	hepatic encephalopathy Treatment of graft versus host	Ucyclyd Pharma, Inc.
1344	(human)	Glassia	10/23/2014	l	Kamada Ltd.
1345	anti-CD3 mAb (SPV-T3a)-ricin	Giassia	10/23/2014	uisease	Ramada Ltu.
1343	A chain fusion protein and anti-				
	CD7 mAb (WT1)-ricin A chain			Treatment of graft versus host	
	fusion protein	n/a	9/13/2013	_	Xenikos BV
1346	p	, .	2, 2, 2	Treatment of graft versus host	
	inolimomab	Leukotac	10/23/2002		Jazz Pharmaceuticals
1347	murine monoclonal antibody			Treatment of graft versus host	
	against CD26	Begedina	2/18/2011	disease	Adienne S.A.
1348				Treatment of graft versus host	Andrulis Research
	Thalidomide	n/a	3/5/1990		Corporation
1349				Treatment of graft-versus-host	Sigmoid Pharma
	cyclosporine	n/a	2/17/2009		Limited
1350	recombinant human			Treatment of graft-vs-host	
	deoxyribonuclease I	n/a	8/18/2014	disease	SciVac Ltd.
1351	fusion protein analog with				
	recombinant human growth				
	hormone (rhGH) at once-a-	,	40/45/9040	Treatment of growth hormone	
4050	month dosing	n/a	10/16/2013	deficiency	Versartis, Inc.
1352	grouth harmons releasing			Treatment of growth houses	Hollenbeck
	growth hormone releasing	n/o	2/22/2016	Treatment of growth hormone	
1353	hormone, 1-44 human amide	n/a	2/23/2016	Treatment of growth hormone	Pharmaceuticals, Inc.
1333	MOD-423 hGH analogue	n/a	9/29/2010	_	OPKO Biologics Ltd.
1354	recombinant human serum	.,, ~	3/23/2010	achidicitey	TEVA Branded
	albumin human growth			Treatment of growth hormone	Pharmaceutical
	hormone	n/a	1/13/2016	l	Products R&D, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1355				Treatment of Guillain-Barre	
	immune globulin (human)	n/a	3/2/2010	syndrome	Octapharma USA, Inc.
1356					
	Recombinant protein inhibitor			Treatment of Guillain-Barre	
	of complement factor 5	n/a	5/10/2016	Syndrome.	Akari Therapeutics Plc
1357					
1070	moxetumomab pasudotox	n/a	11/15/2007	Treatment of hairy cell leukemia	MedImmune, LLC
1358	ć .,	- II 6	0/25/2014	Treatment of hairy cell leukemia	
1070	vemurafenib	Zelboraf	8/26/2014	(HCL).	Genentech, Inc.
1359	Replication defective				
	recombinant adenovirus				
	serotype 5 vector carrying the			Treatment of head and neck	latuses
	p53 gene in its E1 deleted	Advavia	1/27/2002		Introgen
1360	region	Advexin	1/27/2003	Treatment of head and neck	Therapeutics, Inc. Sanofi-Aventis US,
1300	tirapazamine	n/a	10/23/2002		Inc.
1361	tirapazariirie	i i y a	10/23/2002	cancer	IIIC.
1301					
				Treatment of head and neck	Boehringer Ingelheim
	Porfiromycin	Promycin	9/19/1995		Pharmaceuticals, Inc.
1362		1 Tomyon	3/13/1333		Trainiaceaticals, inci
1001					Eagle
	dantrolene sodium	n/a	9/25/2012	Treatment of heat stroke	Pharmaceuticals, Inc.
1363		,			,
				Treatment of hemiplegic	Xenon
	flunarizine	n/a	7/20/2016		Pharmaceuticals, Inc.
1364					
	Fully human anti-interferon			Treatment of hemophagocytic	
	gamma monoclonal antibody	Ni-0501	3/26/2010	lymphohistiocytosis	NovImmune S.A.
1365	factor VIII mimetic bispecific				
	antibody	n/a	1/10/2014	Treatment of hemophilia A	Genentech

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1366	immunologically active				Apitope International
	synthetic peptides	n/a	6/1/2015	Treatment of Hemophilia A	NV
1367					Courte ou Theorem and inc
	 MaxAdFVIII	n/a	3/3/2003	Treatment of Hemophilia A	GenStar Therapeutics Corporation
1368	IVIDAAUI VIII	Πγα	3/3/2003	Treatment of Hemophina A	Corporation
1500	synthetic double-stranded				
	siRNA oligonucleotide against				Alnylam
	antithrombin (AT) mRNA	n/a	8/16/2013	Treatment of hemophilia A	Pharmaceuticals
1369					
				Treatment of hemophilia A and	
				hemophilia B patients with or	
				without inhibitors, which	
				includes routine prophylaxis to	
	human monoclonal antibody			prevent or reduce the frequency	
	directed against tissue factor	n /n	E /10/2010	of bleeding in hemophilia A and	Dfinan Inc
1370	pathway inhibitor	n/a	5/18/2016	hemophilia B patients.	Pfizer, Inc. Baxter Healthcare
1370	Inhibitor of Tissue Factor			Treatment of hemophilia A and	Corporation, Baxter
	Pathway Inhibitor (TFPI)	n/a	1/29/2010	hemophilia B.	BioScience
1371	adeno-associated virus vector	1.7 %	2/20/2020		
	encoding the SQ variant of				
	human blood clotting factor				BioMarin
	VIII	n/a	2/29/2016	Treatment of Hemophilia A.	Pharmaceutical, Inc.
1372	Adenovirus-based vector				
	Factor VIII complementary				GenStar Therapeutics
	DNA to somatic cells	Miniadfviii	12/15/1999	Treatment of hemophilia A.	Corporation
1373					
	adeno associated virus with				
	modified transthyretin and				
	sequence encoding factor IX	n/o	2/14/2014	Treatment of homenhilia D	Davalta IIC Inc
	variant gene	n/a	3/14/2014	Treatment of hemophilia B	Baxalta US, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1374	an adeno-associated viral				
	vector containing a codon-				
	optimised human factor IX	,			
4275	gene (AAV5-hFIXco)	n/a	12/22/2011	Treatment of hemophilia B	uniQure, B.V.
1375	cunthatic dauble stranded				
	synthetic double-stranded siRNA oligonucleotide against				Alnylam
	antithrombin mRNA	n/a	8/12/2013	Treatment of hemophilia B	Pharmaceuticals
1376	antitinomoni mitiva	ii) a	0/12/2013	Treatment of hemophina B	That maccaticals
1370	adeno-associated viral vector				
	composed of a bioengineered				
	AAV capsid and a codon-				
	optimized expression cassette				
	encoding a high-specific				
	activity variant of human				Spark Therapeutics,
	coagulation factor IX	n/a	9/21/2015	Treatment of hemophilia B.	Inc.
1377					
	Adeno-associated virus				
	serotype rh10 vector encoding	,	0/25/2045		Dimension
4270	the human factor IX gene	n/a	8/25/2015	Treatment of hemophilia B.	Therapeutics
1378				Treatment of hemorrhagic	Lipella
	tacrolimus	n/a	7/6/2012	_	Pharmaceuticals Inc.
1379	tuci Olli liu3	III) U	7/0/2012		Valeant
13,3				Treatment of hemorrhagic fever	Pharmaceuticals
	ribavirin	Virazole	4/12/1991	with renal syndrome	International
1380				,	
	Synthetic 47 amino acid-long N				
	terminally myristoylated, HBV-			Treatment of hepatitis D virus	
	L-protein derived lipopeptide	n/a	3/31/2015	infection.	MYR GmbH

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1381				To a local de fille de l'ille Delle	Eiger
	Lonafarnib	n/a	11/19/2013	Treatment of Hepatitis Delta Virus (HDV)infection	Biopharmaceuticals, Inc.
1382	Lonararino	ii) a	11/13/2013	virus (TID V)imeedon	mc.
				Treatment of hepatocellular	Blueprint Medicines
	small molecule FGFR4 inhibitor	n/a	9/14/2015	cancer (HCC).	Corporation
1383					
	(S)-10-				
	[(dimethylamino)methyl]-4- ethyl-9hydroxy-4-0-[a-				
	(2",4",5",7"-tetranitro-9"-				
	fluorenylideneaminooxy)propi				
	onyl]- 1H-pyrano[3',4',6',7',]				
	indolizino [1,2-B]-quinoline-3,				TLC
	14-(4H, 12H)-dione,			Treatment of hepatocellular	Biopharmaceuticals,
	hydrochloride	Lipotecan	10/6/2010	carcinoma	Inc.
1384	2 (2 mln and bright) 4 [4				
	2-(2-phenylvinyl)-4-[4-methylpiperazin-1-yl)]-6-(5-				
	methyl-2H-pyrazol-3-yl-amino)-			Treatment of hepatocellular	CASI Pharmaceuticals,
	pyrimidine L(+) tartrate salt	n/a	7/1/2014	carcinoma	Inc.
1385	2-Chloro-N6(3-				
	iodobenzyl)adenosine-5'-N-			Treatment of hepatocellular	Can-Fite BioPharma
	methyluronamide	n/a	2/17/2012	carcinoma	Ltd.
1386				Treatment of houses salled a	Coldon Diotashashasha
	antroquinonol	n/a	7/22/2015	Treatment of hepatocellular carcinoma	Golden Biotechnology Corporation
1387	doxorubicin PIHCA	ιι, α	7/23/2013	Treatment of hepatocellular	Corporation
1307	nanoparticles	Doxorubicin Transdrug	3/14/2005	carcinoma	BioAlliance Pharma
1388					Novartis
				Treatment of hepatocellular	Pharmaceuticals
	everolimus	Afinitor	7/23/2012	carcinoma	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1389				Treatment of hepatocellular	
	hepcortespenlisimut-L	n/a	12/17/2014	carcinoma	Immunitor, Inc.
1390				Treatment of hepatocellular	
	lenvatinib	n/a	3/27/2014	carcinoma	Eisai, Inc.
1391	lyso-thermosensitive lipsomal			Treatment of hepatocellular	
	doxorubicin	Thermodox (R)	3/17/2009	carcinoma	Celsion Corporation
1392				Treatment of hepatocellular	
	MTC-DOX for Injection	n/a	1/3/2001	carcinoma	FeRx Incorporated
1393	mTOR kinase inhibitor (CC-			Treatment of hepatocellular	
	223)	n/a	10/16/2013	carcinoma	Celgene Corporation
1394					
				Treatment of hepatocellular	Polaris
	pegylated arginine deiminase	Hepacid	3/26/1999	carcinoma	Pharmaceuticals, Inc.
1395					
				Treatment of hepatocellular	SillaJen
	pexastimogene devacirepvec	n/a	5/6/2013	carcinoma	Biotherapeutics, Inc.
1396	propranolol hydrochloride and			Treatment of hepatocellular	Vicus Therapeutics,
	etodolac	n/a	2/24/2015	carcinoma	LLC
1397					Cleveland BioLabs, Inc
				Treatment of hepatocellular	& Incuron, LLC Joint
	quinacrine	n/a	9/28/2012	carcinoma	Ventur
1398				Treatment of hepatocellular	
	ramucirumab	n/a	11/4/2011	carcinoma	Eli Lilly and Company
1399				Treatment of hepatocellular	
	resminostat	n/a	6/29/2011	carcinoma	4SC AG
1400	sulfonated				Medigen
	monophosphorylated			Treatment of hepatocellular	Biotechnology
	mannose oligosaccharide	n/a	2/17/2012	carcinoma	Corporation
1401				Treatment of hepatocellular	
	tirapazamine	n/a	11/30/2015	carcinoma	Teclison Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1402	transforming growth factor-				
	beta receptor 1 kinase			Treatment of hepatocellular	
	inhibitor	n/a	4/1/2013	carcinoma	Eli Lilly and Company
1403					
		A 41 4 (D)	44/2/2040	Treatment of hepatocellular	NBI Pharmaceuticals,
4404	menatetrenone	Mk4(R)	11/2/2010	carcinoma (HCC).	Inc.
1404				Treatment of hepatocellular	
	and the section	/ a	11/20/2000	carcinoma in combination with	A la la Vita - Lua a
4.405	veliparib	n/a	11/20/2009	DNA-damaging agents	AbbVie, Inc.
1405	2-[(3-methyl-4-(2,2,2-				
	trifluoroethoxy) pyridin-2-			Tuestine and of housets called a	
	yl)methylsulfinyl] -1H- benzoimidazole	Prevonco (Tm)	0/27/2000	Treatment of hepatocellular carcinoma.	BioQuant, Inc.
1406	benzonniazoie	Prevolico (TIII)	8/27/2008	carcinoma.	bioQualit, ilic.
1400	4,5,6,7-tetrachloro-2',4',5',7'-				
	tetraiodofluorescein disodium			Treatment of hepatocellular	Provectus
	salt	n/a	A/18/2011	carcinoma.	Pharmaceuticals, Inc.
1407	4-Amino-1-[5-O-[(2R, 4S)-2-	ny a	4/10/2011	carcinoma.	Tharmaccaticals, inc.
1407	oxido-4-(4-pyridinyl)-1, 3, 2-				
	dioxaphosphorinan-2-yl]-b-D-				
	arabinofuranosyl]-2(1H)-			Treatment of hepatocellular	Ligand
	pyrimidinone	n/a	8/22/2007	carcinoma.	Pharmaceuticals, Inc.
1408	pyrmiamone	11/ G	0/22/2007	Treatment of hepatocellular	Thatmaccaticals, me.
1.00	doxorubicin	n/a	8/25/2009	carcinoma.	Delcath Systems, Inc.
1409			5, 25, 255	Treatment of hepatocellular	Adherex
	eniluracil	n/a	12/15/2005	· ·	Technologies, Inc.
1410			, ,		CMS Peptides Patent
				Treatment of hepatocellular	Holding Company
	L-tyrosine-L-serine-L-leucine	Cms-024	9/10/2004	carcinoma.	Limited
1411			· ·	Treatment of hepatocellular	Bristol-Myers Squibb
	nivolumab	Opdivo(R)	9/2/2015	carcinoma.	Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1412				Treatment of hepatocellular	Mondobiotech
	peptide YY	n/a	4/18/2011	carcinoma.	Laboratories AG
1413					
		,		Treatment of hepatocellular	Kowa Pharmaceutical
	peretinoin	n/a	9/23/2011	carcinoma.	Europe Co. Ltd.
1414					
	6 11	c.·	6/4/2045	Treatment of hepatocellular	Bayer HealthCare
4.445	regorafenib	Stivarga	6/4/2015	carcinoma.	Pharmaceuticals, Inc.
1415				Turaturant of handto callular	CaiClana
	Th	9. 4. 4.	2/5/2000	Treatment of hepatocellular	SciClone
	Thymalfasin	Zadaxin	3/6/2000	carcinoma.	Pharmaceuticals, Inc.
1416				Treatment of benetocalular	Daiichi Sankyo
	tivantinib	n/2	10/16/2013	Treatment of hepatocelular	Pharma Development
1417	uvanunib	n/a	10/16/2013	Treatment of Hepatorenal	Ikaria (INO
	terlipressin	n/a	10/29/2004	•	Therapeutics)
1418	ternpressin	Πγα	10/23/2004	Treatment of HER2-expressing	Therapeutics
1410	bispecific antibody			adenocarcinoma of the	Merrimack
	(monoclonmal antibody)	n/a	8/8/2013	esophagus	Pharmaceuticals, Inc.
1419	(monocionina antibody)	ii) u	0/0/2013	Сэорнадаз	i narmaceaticais, inc.
1.13				Treatment of HER2-expressing	
				advanced adenocarcinoma of the	
	bispecific antibody			stomach and gastroesophageal	Merrimack
	(monoclonal antibody)	n/a	8/8/2013		Pharmaceuticals, inc.
1420	human monoclonal antibody		-, -, -,	,	, ,
	directed against active plasma			Treatment of hereditary	
	kallikrein	n/a	11/26/2013	angioedema (HAE)	Dyax Corporation
1421			· ·	Treatment of hereditary	David T. Woodley,
	recombinant human type VII			dystrophic epidermolysis bullosa	MD and Mei Chen,
	collagen	n/a	6/18/2008	(DEB)	MD
1422				Treatment of hereditary	Terence M. Davidson,
	bevacizumab	n/a	10/21/2010	hemorrhagic telangiectasia	MD

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1423					Consejo Superior de
				Treatment of hereditary	Investigaciones
	raloxifene hydrochloride	Evista	8/20/2010	hemorrhagic telangiectasia	Cientificas
1424				Treatment of horoditary inclusion	
	GNE plasmid(H001)	n/a	3/26/2010	Treatment of hereditary inclusion body myopathy type 2	HIBM Research Group
1425	N-Acetylmannosamine (ManNAc)	n/a		Treatment of hereditary inclusion body myopathy type 2	·
1426				, , , , ,	
				Treatment of hereditary inclusion	Ultragenyx
	sialic acid	n/a	9/23/2011	body myopathy.	Pharmaceutical, Inc.
1427				Treatment of hereditary inclusion	
	GNE Lipoplex	n/a	11/13/2008	body myopathy-2	Gradalis, Inc.
1428	Dynamine	n/a	10/16/1991	Treatment of hereditary motor and sensory neuropathy type I (Charcot-Marie-Tooth disease).	Mayo Foundation
1429				Treatment of herpes simplex	
	cyclosporine A	Nova22007	4/9/2008	virus stromal keratitis	Santen SAS
1430	acyclovir	n/a	5/3/2016	Treatment of herpetic keratitis.	Cumulus Pharmaceuticals LLC
1431	synthetic peptide; cyclo-Cys- Gly-Gln-Arg-Glu-Thr-Pro-Glu- Gly-Ala-Glu-ALA-Lys-Pro-Trp-		4 /4 5 /2042	Treatment of high altitude	Apeptico Forschung und Entwicklung
1.433	Tyr-Cys	n/a	1/16/2013	pulmonary edema	GmbH
1432	mannopentaose phosphate] ,	4/07/000	Treatment of high-risk Stage II,	Medigen
4 400	sulfate	n/a		Stage III, and Stage IV melanoma	Biotechnology Corp.
1433	Liposomal amphotericin B	Ambisome	12/10/1996	Treatment of histoplasmosis.	Fujisawa USA, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1434				Treatment of HIV associated	R. W. Johnson
				anemia related to HIV infection	Pharmaceutical
	Epoetin alpha	Procrit	3/7/1989	or HIV treatment.	Research Institute
1435					
				Treatment of HIV-1 infection in	
				treatment experienced adult	
				patients with documented multi-	
				antiretroviral class resistance and	
				evidence of HIV-1 replication	
				despite ongoing antiretroviral	
	ibalizumab	n/a	10/20/2014	therapy	TaiMed Biologics, Inc.
1436	Recombinant human nerve			Treatment of HIV-associated	
	growth factor	n/a	4/16/1999	sensory neuropathy.	Genentech, Inc.
1437					Multidisciplinary
					Association for
				Treatment of HIV-associated	Psychedelic Studies,
	Marijuana	n/a	5/25/1999	wasting syndrome.	Inc.
1438				Treatment of HIV-associated	
	Thalidomide	Synovir	3/11/1996	wasting syndrome.	Celgene Corporation
1439					
				Treatment of HLA-A2+ patients	
				with stage IIB, IIC, III, and IV	Bristol-Myers Squibb
	Melanoma peptide vaccine	n/a	3/29/2005	malignant melanoma	Research Inst
1440					
	(S)-7-(1-(9H-purin-6-				
	ylamino)ethyl)-6-(3-				
	fluorophenyl)-3-methyl-5H-				
	thiazolo[3,2-a]pyrimidin-5-one	n/a	4/29/2015	Treatment of Hodgkin lymphoma	Incyte Corporation
1441	anti-CD30 Fc engineered				
	humanized monoclonal				
	antibody	n/a	12/2/2008	Treatment of Hodgkin lymphoma	Xencor, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1442	Recombinant antibody				
	construct against human CD30				
	and CD16A	n/a	8/20/2009	Treatment of Hodgkin lymphoma	
1443				Treatment of Hodgkin	Merck, Sharp &
	pembrolizumab	Keytruda	12/30/2015	lymphoma.	Dohme Corp.
1444	stem/progenitor cells derived				
	from ex vivo expanded				
	allogeneic umbilical cord blood			Treatment of Hodgkin	
	cells	Nicord(R)	11/13/2014	lymphoma.	Gamida Cell Ltd.
1445	Human anti-CD30 monoclonal				Bristol-Myers Squibb,
	antibody	n/a	9/27/2004	Treatment of Hodgkin's disease	Inc.
1446	Yttrium (90Y) antiferritin		- 4: - 4		
	polyclonal antibodies	Ferritarg P	9/18/2006	Treatment of Hodgkin's disease.	Alissa Pharma, LLC
1447					
	N-(2-amino-phenyl)-4-[(4-				
	pyridin-3-yl-pyrimidin-2-				
	ylamino)-methyl] benzamide	,	- 1- 1		Mirati Therapeutics,
	dihydrobromide	n/a	8/8/2007	lymphoma	Inc.
1448		,		Treatment of Hodgkin's	
	resminostat	n/a	9/16/2011	lymphoma.	4SC AG
1449	Porcine fetal neural				
	dopaminergic cells and/or				
	precursors aseptically				
	prepared and coated with anti-			Treatment of Hoehn and Yahr	
	MHC-1 Ab for intracerebral			stage 4 and 5 Parkinson's	
	implantation	Neurocell-Pd	12/17/1996	disease.	Diacrin/Genzyme LLC
1450	Porcine fetal neural				
	dopaminergic cells and/or				
	precursors aseptically			Treatment of Hoehn and Yahr	
	prepared for intracerebral			stage 4 and 5 Parkinson's	
	implantation.	Neurocell-Pd	12/17/1996	disease.	Diacrin/Genzyme LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1451	Porcine Sertoli cells aseptically prepared for intracerebral co-implantation with fetal neural tissue	N-Graft	6/24/1997	Treatment of Hoehn and Yahr stage four and five Parkinson's disease.	Titan Pharmaceuticals, Inc.
1452	polyethylene glycol modified recombinant C-terminal truncate of human cystathionine beta-synthase	n/a	3/17/2015	Treatment of homocystinuria	Orphan Technologies
1453	Adeno-Associated Viral Vector Expressing Low-Density Lipoprotein Receptor	n/a		Treatment of homozygous familial hypercholesterolemia	ReGenX Biosciences
1454	apolipoprotein E mimetic peptide	n/a	12/3/2012	Treatment of homozygous familial hypercholesterolemia	LipimetiX Development, LLC
1455	gemcabene	n/a	2/6/2014	Treatment of homozygous familial hypercholesterolemia	Gemphire Therapeutics, Inc.
1456	2-[4-[[(2R)-2-ethoxy-3-[4- (trifluoromethyl)phenoxy]prop yl]thio]-2- methylphenoxy]acetic acid (1:1) lysine dihydrate	n/a	3/18/2015	Treatment of homozygous familial hypercholesterolemia (HoFH)	CymaBay Therapeutics, Inc.
1457	Sodium dichloroacetate	n/a	6/11/1990	Treatment of homozygous familial hypercholesterolemia.	Stacpoole, Peter W. M.D., Ph.D.
1458	Suramin	Metaret	5/6/1997	Treatment of hormone- refractory prostate cancer.	Warner-Lambert Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1459				Treatment of hospital acquired	
	Human monoclonal antibody			pneumonia caused by serotype	
	directed against serotype 011			011 positive Pseudomonas	
	Pseudomonas aeruginosa	Aerumab 11	9/18/2006	aeruginosa	Kenta Biotech Limited
1460					
				Treatment of hospitalized	
				patients with complex skin	
				defects resulting from partial and	
				full thickness skin burns requiring	Stratatech
	skin tissue	Stratagraft	5/21/2012	excision and grafting	Corporation
1461				Treatment of hospitalized	
				patients with deep partial and	Amarantus
	Autologous Engineered Skin			full thickness burns requiring	BioScience Holdings,
	Substitute	Permaderm	6/1/2012	grafting.	Inc.
1462				Treatment of HPV-16 expressing	
	HPV-16 cancer therapeutic			head and neck squamous cell	
	trojan peptide vaccine	n/a	1/12/2009	carcinoma.	Gliknik, Inc.
1463				Treatment of HPV-positive	
	ADXS11-001	n/a	8/12/2013	associated anal cancer	Advaxis, Inc.
1464				Treatment of human African	
				trypanosomiasis (HAT) or	Sanofi US Services,
	fexinidazole	n/a	4/4/2016	sleeping sickness	Inc.
1465				Treatment of human African	Peter Kennedy, CBE,
	melarsoprol-			trypanosomiasis (sleeping	MD, PhD, DSc, FRCP
	hydroxypropylbetadex	n/a	9/13/2013	sickness)	FMedSci,
1466				Treatment of human African	
				trypanosomiasis (sleeping	Immtech
	Pafuramidine maleate	n/a	8/31/2007	sickness)	Pharmaceuticals, Inc.
1467					
	live attenuated bioengineered			Treatment of human papilloma	
	Listeria monocytogenes			virus-associated head and neck	
	immunotherapy	n/a	11/4/2013	cancer	Advaxis, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1468	Adenovirus serotype-5 (Ad5)				
	vector that contains a				
	modified non-oncogenic fused				
	early 6 (E6) and early 7 (E7)			Treatment of human	
	gene of the human			papillomavirus (HPV)-associated	
	papillomavirus (HPV); (Ad5 [E1-			head and neck squamous cell	
	, E2b-]-E6/E7)	n/a	9/4/2014	carcinoma (HNSCC)	Etubics Corporation
1469					
		,		Treatment of Hunter Syndrome	
	idursulfase beta	n/a	2/11/2013	(mucopolysaccharidoses)	Green Cross Corp.
1470	5,7-dichloro-2-				
	dimethylaminomethyl-8-				
	hydroxyquinoline	,	0/1/0011	Treatment of Huntington's	Prana Biotechnology
	hydrochloride	n/a	9/4/2014	disease	Limited
1471	Antisense oligonucleotide				
	targeted to the huntingtin	,		Treatment of Huntington's	Isis Pharmaceuticals,
4.470	protein	n/a	12/29/2015	disease	Inc.
1472				T	
		/ -		Treatment of Huntington's	Oxalys
4.470	carbenoxolone	n/a	7/2/2014	Disease	Pharmaceuticals, Inc.
1473				Turneture at a fill webine at a ula	F-AVi
	Clateina	/ a		Treatment of Huntington's	EnVivo
1.174	Clotrimazole	n/a	3/13/2006		Pharmaceuticals, Inc.
1474	Ca an Turna a O 1 0	- /a	2/5/2004	Treatment of Huntington's	Integrative
1.475	Coenzyme Q10	n/a	3/5/2001	uisease	Therapeutics, Inc.
1475				Treatment of Huntington's	Marathon
	Creatine	Creanure	10/11/2005		Pharmaceuticals, LLC
1476	Creatine	Creapure	10/11/2005	Treatment of Huntington's	r nai maceuticais, LLC
14/0	cystoamine	n/a	5/9/2008	I -	Raptor Therapeutics
	cysteamine	II/a	5/9/2008	uisease	naptor merapeutics

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1477					
	d6-tetrabenazine,			Treatment of Huntington's	Teva
	deutetrabenazine	n/a	11/5/2014	Disease	Pharmaceuticals, Inc.
1478					
	humanized IgG4 monoclonal				
	antibody that binds to the	,	0/15/2015	Treatment of Huntington's	l.,
4.470	SEMA4D antigen	n/a	8/16/2016		Vaccinex, Inc.
1479	a de la companya de l	. 1.	42/7/2000	Treatment of Huntington's	C'a a B'alad CaA
4.400	selisistat small molecule inhibitor of	n/a	12/7/2009		Siena Biotech SpA
1480		I.a.	0/26/2012	Treatment of Huntington's	0
1.401	phosphodiesterase 10	n/a	9/26/2013	Treatment of Huntington's	Omeros Corporation
1481	ubiquinol	Ubi-Q-Nol, Li-Q-Nol	4/12/2004		Gel-Tec, Division of Tishcon Corp.
1482		UDI-Q-NOI, LI-Q-NOI	4/12/2004	Disease	risticon corp.
1402				Treatment of Huntington's	
	antisense oligonucleotide			disease (prodromal stage	
	targeting the U isoform of SNP			Huntington's disease and	
	rs362307	n/a	6/16/2016	diagnosed Huntington's disease)	Wave LIfe Sciences
1483	2-[4-(1-Methyl-4-pyridin-4-yl-	117 5	0,10,2010	and the state of t	Trave Line Sciences
	IH-pyrazol-3-yl)-				
	phenoxymethyl]-quinoline			Treatment of Huntington's	
	succinic acid	n/a	6/2/2014	_	Pfizer Inc.
1484					Teva Branded
	4-(3-Methanesulfonyl-phenyl)-			Treatment of Huntington's	Pharmaceutical
	1-propylpiperidine HCl	n/a	12/12/2005	disease.	Products R&D
1485				Treatment of Huntington's	
	dimebon	n/a	5/12/2009	Disease.	Medivation, Inc.
1486				Treatment of Huntington's	
	Ethyl eicosapentaenoate	n/a	4/6/2000	disease.	Laxdale Ltd.
1487					
	lithium citrate tetrahydrate (in			Treatment of Huntington's	
	reverse micelle formulation)	n/a	12/13/2010	disease.	Medesis Pharma

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1488	phenol, 4-[2-(aminomethyl)-4-				
	thiazolyl]-2,6-bis (1,1-				Ipsen
	dimethyethyl)			Treatment of Huntington's	Biopharmaceuticals,
	monohydrochloride	n/a	3/16/2015	disease.	Inc.
1489					
	Porcine fetal neural gabaergic				
	cells and/or precursors				
	aseptically prepared and				
	coated with anti-MHC-1 Ab for		42/40/4006	Treatment of Huntington's	D: : /O
1.400	intracerebral implantation	Neurocell-Hd	12/10/1996	disease.	Diacrin/Genzyme LLC
1490	Dancina fatal navual zabagusia				
	Porcine fetal neural gabaergic cells and/or precursors				
	aseptically prepared for				
	intracerebral implantation for			Treatment of Huntington's	
	Huntington's disease.	Neurocell-Hd	12/10/1996	_	Diacrin/Genzyme LLC
1491	Truncington's disease.	Neurocen-riu	12/10/1330	uisease.	Diacriny denzyme LLC
1431	recombinant adeno-associated				
	virus encoded gene for X-				
	linked mammalian inhibitor of			Treatment of Huntington's	
	apoptosis protein (XIAP)	n/a	8/25/2009		Neurologix, Inc.
1492			., ., .,		5 ,
				Treatment of Huntington's	Rhone-Poulenc Rorer
	Riluzole	Rilutek	10/15/1996	I -	Pharmaceuticals, Inc.
1493					The Progeria
				Treatment of Hutchinson-Gilford	Research Foundation,
	Ionafarnib	n/a	4/18/2011	progeria syndrome	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1494					
				Treatment of hyperammonemia	
				and resultant hepatic	
				encephalopathy (HE) in patients	
			. /= /20.40	with acute liver failure or acute	Ocera Therapeutics,
	L-ornithine phenylacetate	n/a	4/7/2010	on chronic liver disase	Inc.
1495				T	Discovery
	Diagdiona de documento	/ a	C /4 C /4 000	Treatment of hypercalcemia of	Experimental &
1496	Disodium clodronate	n/a	6/16/1993	malignancy. Treatment of hyperekplexia	Development, Inc.
1496	Clanazonam	Vlananin	0/4/1004	(startle disease).	Hoffmann-La Roche, Inc.
1497	Clonazepam	Klonopin	6/4/1994	(startie disease).	IIIC.
1437				Treatment of hypereosinophilic	Teva
	reslizumab	Cinquil	1/12/2011	* * * * * * * * * * * * * * * * * * * *	Pharmaceuticals, Inc.
1498	Testization	Ciriquii	1/12/2011	Synarome	Tharmaceaticals, inc.
1.50				Treatment of	Novartis
				hyperimmunoglobulinemia D and	Pharmaceuticals
	canakinumab	Ilaris	12/5/2013	periodic fever syndrome	Corporation
1499				Treatment of	BioMarin
	Phenylalanine ammonia-lyase	Phenylase. Ravpal-Peg	3/8/1995	hyperphenylalaninemia	Pharmaceutical
1500				Treatment of	Leas Research
	Valine, isoleucine and leucine	Vil	1/5/1996	hyperphenylalaninemia	Products
1501				Treatment of	
				hyperphosphatemia in end stage	
	Calcium acetate	n/a	6/27/1989	renal disease.	Pharmedic Company
1502					
				Treatment of	
		R & D Calcium	-1-1:	hyperphosphatemia in patients	R & D Laboratories,
	Calcium carbonate	Carbonate/600	6/6/1990	with end stage renal disease.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1503	selective deacylglycerol acyltransferase 1 inhibitor	n/a		Treatment of hypertriglyceridemia in te setting of Type I hyperlipoproteinemia, also known as Familial Chylomicronemia Syndrome	Novartis Pharmaceuticals Corporation
1504	dehydrated alcohol	Ablysinol	9/11/2013	Treatment of hypertrophic obstructive cardiomyopathy	Belcher Pharmaceuticals, LLC
1505	Oxypurinol	n/a	11/9/1998	Treatment of hyperuricemia in patients intolerant to allopurinol.	Cardiome Pharma
1506	Polyethylene glycol-modified uricase	n/a	6/6/2005	Treatment of hyperuricemia in patients with gout refractory to conventional therapy or in whom conventional therapy is contraindicated	EnzymeRx, LLC
1507	non-peptide small molecule orally available agonist of the parathyroid hormone receptor type I	n/a		Treatment of hypoparathyroidism	Chugai Pharma USA,
1508	teriparatide	Forteo	4/18/2014	Treatment of hypoparathyroidism	Entera Bio, Ltd.
1509	recombinant human alkaline phosphatase	n/a	5/13/2015	Treatment of hypophosphatasia.	AM-Pharma BV
1510	plasminogen (human)	n/a		Treatment of hypoplasminogenemia, or type I plasminogen deficiency	ProMetic Biotherapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1511					
				Treatment of hypoprolactinemia in breastfeeding mothers, and in	
				some hypoprolactinemic	
				conditions following the use of	
				cabergoline or bromocriptine in	
				mothers who wish to initiate or	Thomas W. Hale, RPh,
	domperidone	n/a	9/2/2011	return to breastfeeding	PhD
1512	·	,		Treatment of hypoxic ischemic	
	xenon gas	n/a	12/3/2014	encephalopathy	Neuroprotexeon
1513				Treatment of hypoxic-ischemic	
	phenobarbitol sodium			encephalopathy to prevent	Fera Pharmaceuticals,
	injection	n/a	10/23/2013	siezures in neonates	LLC
1514				Treatment of idiopathic	Balance Therapeutics,
	pentetrazol	n/a	9/9/2015	hypersomnia.	Inc.
1515				Treatment of idiopathic	Latona Life Sciences,
	human gammaglobulin	Oralgam	11/14/2003	inflammatory myopathies	Inc.
1516				Treatment of idiopathic	
				membranous glomerular	Alexion
	eculizumab	n/a	3/5/2001	nephropathy	Pharmaceuticals, Inc.
1517				Treatment of idiopathic	
	•	Parathar	10/28/1999	osteoporosis.	Biomeasure, Inc.
1518	(R)-1-phenylethyl-5-(4-				
	biphenyl-4-				
	cyclopropanecarboxylic acid)-3-			Tarakarak afidir celit	Duiatal Mara v Co. 351
	methylisoxazole-4-yl	 n/a	4/15/2011	Treatment of idiopathic	Bristol-Myers Squibb
	carbamate sodium salt	n/a	4/15/2011	pulmonary fibrosis	Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1519	4-[[9-(3S)-tetrahydro-3-				
	furanyl]-8-[(2,4,6-				
	trifluorophenyl)amino]-9H-			Tuestus ant of idiamethic	
	purin-2-yl]amino]-trans- cyclohexanol	n/a	0/22/2011	Treatment of idiopathic pulmonary fibrosis	Celgene Corporation
1520	Сустопеханог	ii/a	9/23/2011	pullionary librosis	Ceigerie Corporation
1320	ammonium			Treatment of idiopathic	Pipex
	tetrathiomolybdate	n/a	5/5/2008	pulmonary fibrosis	Pharmaceuticals, Inc.
1521	,		5/5/255	Treatment of idiopathic	Insys Therapeutics,
	Cintredekin Besudotox	n/a	4/30/2010	pulmonary fibrosis	Inc.
1522	human recombinant DNA-				
	derived, IgG1 kappa				
	monoclonal anti-body to			Treatment of idiopathic	
	connective growth factor	n/a	7/6/2012	pulmonary fibrosis	FibroGen, Inc.
1523	humanized monoclonal				
	antibody against human			Treatment of idiopathic	
	integrin alphaVbeta6	n/a	8/5/2010	pulmonary fibrosis	Biogen Idec, Inc.
1524			40/44/2007	Treatment of idiopathic	mondoBIOTECH
1525	Interferon gamma	n/a	10/11/2007	pulmonary fibrosis	Laboratories AG
1525	lebrikizumab	n/a	2/0/2015	Treatment of idiopathic pulmonary fibrosis	Genentech, Inc.
1526	TEDITRIZUITIAD	II/ d	3/9/2013	pullionary librosis	Generitecii, ilic.
1320				Treatment of idiopathic	Genoa
	pirfenidone	n/a	7/31/2014	pulmonary fibrosis	Pharmaceuticals, Inc.
1527				Treatment of idiopathic	
	purified bovine type collagen	n/a		pulmonary fibrosis	ImmuneWorks, Inc.
1528				Treatment of idiopathic	ImmuneRegen
	Sar9, Met(O2)11-Substance P	Homspera	3/16/2011	pulmonary fibrosis	BioSciences, Inc.
1529	tetra-substituted porphyrin				
	derivative containing			Treatment of idiopathic	Aeolus
	manganese (III)	n/a	3/16/2015	pulmonary fibrosis	Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1530				Treatment of idiopathic	
	tipelukast	n/a	10/20/2014	pulmonary fibrosis	MediciNova, Inc.
1531				Treatment of idiopathic	
	carbon monoxide	n/a	8/16/2016	pulmonary fibrosis (IPF).	Proterris, Inc.
1532					
	2-(2-chlorophenyl)-4-[3-				
	(dimethylamino)phenyl]-5-				
	methyl-1H-pyrazolo[4,3-			Treatment of idiopathic	
	C]pyridine-3,6(2H,5H)-dione	n/a	9/21/2010	pulmonary fibrosis.	GenKyoTex S.A.
1533	3-pentylbenzenacetic acid			Treatment of idiopathic	ProMetic Life
	sodium salt	n/a	2/11/2015	pulmonary fibrosis.	Sciences, Inc.
1534					
	bispecific antibody targeting				
	interleukin 4 (IL-4) and			Treatment of idiopathic	Sanofi-Aventis US,
	interleukin 13 (IL-13)	n/a	9/14/2011	pulmonary fibrosis.	Inc.
1535	monoclonal antibody targeting			Treatment of idiopathic	
	eotaxin-2	n/a	10/29/2015	pulmonary fibrosis.	ChemomAb, Ltd.
1536	recombinant human Pentraxin-				
	2; recombinant human Serum			Treatment of idiopathic	
	Amyloid P	n/a	2/17/2012	pulmonary fibrosis.	Promedior, Inc.
1537					
	1-(3-chloro-5-{[4-(4-chloro-2-				
	thienyl)-5-(4-				
	cyclohexylpiperazin-l-yl)-1,3-				
	thiazol-2-yl]carbamoyl}- 2-				
	pyridyl) piperidine-4-caboxylic			Treatment of idiopathic	
	acid Monomaleate	n/a	9/1/2011	thrombocytopenic purpura	Eisai, Inc.
1538					
	PG2 (Astragalus				
	polysaccharides extracted and				
	purified from the dry root of			Treatment of idiopathic	PhytoHealth
	Astragalus membranaceus)	n/a	7/5/2012	thrombocytopenic purpura	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1539					
	Recombinant Human soluble			Treatment of idiopathic	
	Fc-gamma Receptor IIb	n/a	3/22/2010	thrombocytopenic purpura	SuppreMol GmbH
1540	Omega-3 (n-3)				
	polyunsaturated fatty acids	Omacor	5/4/2000	Treatment of IgA nephropathy.	Pronova Biocare, AS
1541				Treatment of ileal pouch anal	
				anastomosis related fecal	
	phenylephrine	n/a	2/14/2002	incontinence	S.L.A. Pharma
1542				Treatment of immune	
				thrombocytopenia purpura	
	Purified extract of			where it is required to increase	Able Laboratories,
	Pseudomonas aeruginosa	Immudyn	9/22/1997	platelet counts.	Inc.
1543					
				Treatment of immune	Rigel
	fostamatinib disodium	n/a	8/25/2015	thrombocytopenic purpura	Pharmaceuticals, INc.
1544				Treatment of immune	
	rituximab	Rituxan	3/12/2002	thrombocytopenic purpura	Genentech, Inc.
1545	staphylococcal aureus protein			Treatment of immune	
	A	n/a	6/10/2015	thrombocytopenic purpura	Protalex, Inc.
1546					ZaBeCor
				Treatment of immune	Pharmaceutical
	Medroxyprogesterone acetate	Hematrol	2/22/2001	thrombocytopenic purpura.	Company, LLC
1547	Recombinant humanized			Treatment of immune	
	monclonal antibody 5c8	n/a	2/3/1998	thrombocytopenic purpura.	Biogen, Inc.
1548				Treatment of immune	
	veltuzumab	n/a	7/28/2015	thrombocytopenic purpura.	Immunomedics, Inc.
1549					
	recombinant IgA protease of			Treatment of immunoglobulin A	
	bacterium Heamophilus			nephropathy (IgAN, Berger's	Shire Human Genetics
	influenzae	n/a	4/18/2011	disease).	Therapies

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1550					
				Treatment of incessant	Academic
	Amiodarone	Amio-Aqueous	8/17/1993	ventricular tachycardia.	Pharmaceuticals, Inc.
1551					
	recombinant human				Novartis
	monoclonal antibody against			Treatment of inclusion body	Pharmaceuticals
	activin receptors type II	n/a	6/18/2012	myositis	Corp.
1552					
	Disodium clodronate			Treatment of increased bone	Anthra
	tetrahydrate	Bonefos	3/5/1990	resorption due to malignancy.	Pharmaceuticals, Inc.
1553					
				Treatment of increased	
				intracranial pressure in patients	
				with severe, closed-head injury,	
				also known as traumatic brain	
				coma, for whom no other	Abela
	Dimethyl sulfoxide	n/a	11/22/1994	effective treatment is available.	Pharmaceuticals, Inc.
1554					
				Treatment of indolent B-cell	
				lymphoma, excluding CLL and	
	blinatumomab	n/a	2/6/2006	NHL with CNS involvement	Amgen, Inc.
1555					
				Treatment of infantile neuronal	
	N-t-butylhydroxylamine	n/a	5/12/2015	ceroid lipofuscinosis.	Andrew Lim
1556					Insys Therapeutics,
	cannabidiol	n/a	7/23/2015	Treatment of infantile spasms	Inc.
1557					
	tetracosactide hexaacetate	Synacthen Depot, S.			Cerium
	(beta 1-24-corticotrophin)	Retard	10/31/2012	Treatment of infantile spasms	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1558	totrobudro N. N. dimothul 2.2				
	tetrahydro-N,N-dimethyl-2,2-diphenyl-3-furanmethanamine				Anavex Life Sciences
	hydrochloride	n/a	6/20/2016	Treatment of infantile spasms	Corp.
1559	,	.,, c	9, 29, 2020	- Comment of the area of the a	
	(1S,3S)-3-amino-4-				
	(difluoromethylene)cyclopenta				
	necarboxylic acid				
	hydrochloride, (1S,3S)-3-amino-				
	4-difluoromethylenyl-1-				Catalyat
	cyclopentanoic acid hydrochloride	n/a	9/15/2010	Treatment of infantile spasms.	Catalyst Pharmaceuticals, Inc.
1560	nyarocinoriae	ii) a	3/13/2010	Treatment of imantine spasins.	r Harmaceuticais, inc.
					Marinus
	Ganaxolone	n/a	5/25/1994	Treatment of infantile spasms.	Pharmaceuticals, Inc.
1561					
	modified recombinant				
	mitochondrial transcription			T	
	factor A (TFAM) containing the mitochondrial transduction			Treatment of inherited mitochondrial respiratory chain	
	domain	n/a	8/20/2012	1	Gencia Corporation
1562	domani	117 0	0/20/2012	uiseuse	General Corporation
	(S)-6-hydroxy-2,5,7,8-				
	tetramethyl-N-((R)-piperidin-3-			Treatment of inherited	
	yl)chroman-2-carboxamide			mitochondrial respiratory chain	
	hydrochloride	n/a	11/17/2014		Khondrion BV
1563				Treatment of inherited	Penwest
	Alaba tagaabaral	m /a	2/20/2006	mitochondrial respiratory chain	Pharmaceuticals
1564	Alpha-tocopherol quinone	n/a	3/28/2006	Treatment of inherited	Company
1304				mitochondrial respiratory chain	Edison
	alpha-tocotrienol quinone	n/a	10/21/2010	1	pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1565					
	Human Allogeneic HLA-			Treatment of insufficient	
	matched, Umbilical Cord Blood			hematopoietic stem cell	
	Hematopoietic Progenitor			production in patients with	
	Cells Ex Vivo Expanded on			hematologic malignancies who	
	Allogeneic Mesenchymal			have failed treatment with	
	Precursor Cells	n/a	9/12/2008	conventional chemotherapy.	Mesoblast, Inc.
1566					
				Treatment of intermetatarsal	
				neuroma (Morton's Neuroma)	
				that does not respond to	
				conservative treatment and	
				requires either neurectomy or	Centrexion
	Capsaicin	n/a	9/29/2006	neurolysis	Corporation
1567					Fleischmann,
	Nifedipine	n/a	6/13/1991	Treatment of interstitial cystitis.	Jonathan M.D.
1568				Treatment of interstitial lung	
	Pyruvate	n/a	2/21/2001	disease.	Cellular Sciences, Inc
1569	pentapeptide with sequence			Treatment of intracerebral	
	Ac-VSRRR-NH2	n/a	1/13/2015	hemorrhage	CereNOva, LLC
1570	recombinant activated Factor			Treatment of intracerebral	
	X variant	n/a	3/3/2015	hemorrhage	Pfizer, Inc.
1571				Treatment of intracranial	Direct Therapeutics,
	Carmustine	n/a	7/3/2000	malignancies.	Inc.
1572				Treatment of intractable pain at	Sorrento
	resiniferatoxin	n/a	5/13/2003	end-stage disease	Theraeputics, Inc.
1573					
				Treatment of intractable	
				spasticity due to multiple	Metacel
	baclofen	n/a	12/16/1991	sclerosis or spinal cord injury.	Pharmaceuticals, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1574				Treatment of intractable	
				spasticity in children with	Osmotica
	L-baclofen	Neuralgon	1/30/1992	cerebral palsy.	Pharmaceutical Corp.
1575				Treatment of intrauterine fetal	
				death not accompanied by	
				complete expulsion of the	
				products of conception in the	
				second and third trimesters of	Gynuity Health
	misoprostol	Gymiso	1/10/2005	pregnancy.	Projects, LLC
1576				Treatment of intraventricular	
				hemorrhage associated with	
	alteplase	Activase		intracerebral hemorrhage	Daniel F. Hanley, MD
1577				Treatment of invasive and	
	HLA-B7/Beta2M DNA Lipid			metastatic melanoma (Stages II,	
	(DMRIE/DOPE) Complex	Allovectin-7	9/30/1999	III, and IV).	Vical Incorporated
1578					
	Cyclo{-Asn-Leu-d-Phe-Al[(N5-				
	acetyl-N5-hydroxy-Orn)-(N5-				
	acetyl-N5-hydroxy-Orn)-(N5-			Treatment of invasive	
	hydroxy-Orn)]-} . Al(III)	n/a		aspergillosis.	Vical Incorporated
	(1,3)-ß-D-glucan synthesis			Treatment of invasive Aspergillus	
	inhibitor	n/a	8/22/2016	infections	SCYNEXIS, Inc.
1580	enfumafungin derivative B-				
	(1,3)-D-glucan synthestis			Treatment of invasive Candida	
	inhibitor	n/a	5/10/2016	infections, including candidemia	SCYNEXIS, Inc.
1581					Novartis
	recombinant human				Pharmaceuticals
	monoclonal antibody to hsp90	Mycograb	9/16/2002	Treatment of invasive candidiasis	•
1582					Astellas Pharma
				Treatment of invasive	Global Development,
	isavuconazonium sulfate	n/a	10/20/2014	candidiasis/candidemia	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1583					
				Treatment of invasive carcinoma	
	Mitolactol	n/a	1/23/1989	of the uterine cervix	Targent, Inc
1584			- / - /	Treatment of invasive fungal	The University of
	Liposomal nystatin	Nyotran	6/13/2000	infections.	Texas
1585					
			4/42/4000		Polaris
4506	Pegylated arginine deiminase	Melanocid	4/12/1999	melanoma.	Pharmaceuticals, Inc.
1586	NA de la company		40/42/4004	Treatment of invasive	CancerVax
1587	Melanoma cell vaccine	Canvaxin	10/13/1994	meianoma.	Corporation
1587				Transfer out of investigation and static	Hamaianham.
	Daly It paly C1311	Ampligan	12/0/1002	Treatment of invasive metastatic melanoma (stage IIb, III, IV).	Biopharma, Inc.
	Poly I: poly C12U Synthetic double-stranded	Ampligen	12/9/1993	meianoma (stage nb, m, rv).	вюрнатна, нс.
1300	siRNA oligonucleotide against			Treatment of ischemic optic	Quark
	caspase 2 mRNA	ln/a	0/25/2012	neuropathy	Pharmaceuticals, Inc.
1589	caspase 2 milita	i i y a	3/23/2012	Treatment of juvenile	r Harmaceuticais, inc.
	infliximab	Remicade	10/23/2002	rheumatoid arthritis	Centocor, Inc.
1590		Nemicade	10/23/2002	Treatment of juvenile	centocor, me.
1330	rofecoxib	Vioxx	3/16/2004	rheumatoid arthritis	MERCK & Co., Inc.
1591		1107.01	3, 23, 233 .		
				Treatment of juvenile	
				rheumatoid arthritis joint and	All American
				related tissue inflammation in	Pharmaceutical &
	Kre-Celazine	n/a	4/1/2013	the pediatric population	Natural Foods Corpor
1592				Treatment of juvenile	
	Gammalinolenic acid	n/a	7/27/1994	rheumatoid arthritis.	Zurier, Robert B. M.D.
1593	Interleukin-1 receptor				Swedish Orphan
	antagonist, human			Treatment of juvenile	Biovitrum AB (publ)
	recombinant	Antril	9/23/1991	rheumatoid arthritis.	(SOBI)
1594				Treatment of juvenile	
	Purified type II collagen	Colloral	2/9/1995	rheumatoid arthritis.	Autolmmune, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
	H-Leu-Pro-Pro-Ser-Arg-OH	n/a	9/20/2012	Treatment of Kaposi sarcoma	Immuno Tech, Inc.
1596	3-(3,5-dimethyl-1H-				
	2ylmethylene)-1,3-dihydro-				
	indol-2-one	n/a	9/11/1998	Treatment of Kaposi's sarcoma.	Sugen, Inc.
1597					
	Thalidomide	n/a	7/29/1998	Treatment of Kaposi's sarcoma.	Celgene Corporation
1598					
				Treatment of known or	
				suspected cases of internal	
		,	2/1-/2-1	contamination with plutonium,	Nanotherapeutics,
4.700	NanoDTPA(tm)	n/a		americium, or curium	Inc.
	ibudilast	n/a	6/1/2015	Treatment of Krabbe disease	MediciNova, Inc.
1600					
			44/40/4004	Treatment of lactic acidosis in	Stacpoole, Peter W.
1.601	Sodium dichloroacetate	n/a	11/10/1994	patients with severe malaria.	M.D., Ph.D.
1601	Augistansia (4.7)	/ -	2/0/2016	Treatment of LAMA2-related	Tauti Omban II C
1602	Angiotensin (1-7)	n/a	2/8/2016	muscular dystrophy Treatment of Lambert Eaton	Tarix Orphan, LLC
1602	Dunamina	2/2	2/5/1000		Mayo Foundation
1602	Dynamine 3,4 diaminopyridine and	n/a	2/5/1990	myasthenic syndrome. Treatment of Lambert-Eaton	Mayo Foundation MS Therapeutics
1603	choline bitartrate	2/2	4/20/2010		Limited
1604	choline bitartrate	n/a	4/30/2010	myasthenic syndrome	Limited
1004				Treatment of Lambert-Eaton	Catalyst
	amifampridine phosphate	n/2	11/12/2000	Myasthenic Syndrome	Pharmaceuticals, Inc.
1605	annampridine priospriate	n/a	11/12/2009	lviyastrieriic syridroffie	Jacobus
1003				Treatment of Lambert-Eaton	Pharmaceutical
	3,4-diaminopyridine	n/a	12/19/1000	myasthenic syndrome.	
1606	recombinant human	ii) a	12/10/1990	inyastnemic synurome.	Company
1000	lecithin:cholesterol			Treatment of LCAT deficiency	AlphaCore Pharma,
	acyltransferase (rhLCAT)	n/a	9/2/2010	syndromes	LLC
	acylliansierase (ITILCAT)	l i / a	3/2/2010	syndronnes	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1607				Treatment of leakage from the	
	NorLeu3-Angiontensin(1-7))			surgical site following	
	[NorLeu3-A(1-7)]	n/a	12/31/2013	penetrating keratoplasty	US Biotest, Inc.
1608					
	adenovirus associated viral				
	vector serotype 5 containing	,	- / /	Treatment of Leber congenital	
1500	the human RPE65 gene	n/a	3/10/2016	amaurosis	MeiraGTx Limited
1609	Recombinant adeno-			T	
	associated virus retinal			Treatment of Leber congenital	Consult Theorem southers
	pigment epithelium gene	/ a	6/24/2000	amaurosis due to RPE65	Spark Therapeutics,
1610	vector AAV2-hRPE65v2	n/a	6/24/2008	mutations.	Inc.
1610				Treatment of Leber congential	
				amaurosis (LCA) due to inherited	
				mutations in RPE65 (encoding	
	(2E,4E,6Z,8E)-3,7-dimethyl-9-			the protein retinal pigment	
	(2,6,6-trimethylcyclohex-1-			epithelial protein 65) or LRAT	
	enyl)nona-2,4,6,8-tetraenyl			(encoding the enzyme	
	acetate 9-cis-retinyl acetate			lecithin:retinol	
	(API)	n/a	12/2/2010	acyltransferase)genes.	QLT, Inc.
1611	(*)	,			ζ=:,σ.
	adeno-associated viral vector				
	containing the human NADH			Treatment of Leber Hereditary	
	Dehydrogenase 4 Gene	n/a	11/20/2013	Optic Neuropathy	Gen Sight Biologics
1612				,	Ū Ū
	antisense oligonucleotide				
	complementary to the exonic				
	splicer enhancer sequence at				
	intron 26 of the centrosomal			Treatment of Leber's congenital	ProQR Therapeutics
	protein 290 pre-mRNA	n/a	5/25/2016	amaurosis.	IV B.V.

1614 idebenone n/a 10/31/20 1615	Treatment of Leber's congential AmpliPhi Biosciences Corporation Santhera Pharmaceuticals Limited Edison Pharmaceuticals, Inc.
(rAAV2) gene transfer agent expressing RPE65 n/a 5/11/20 1614 idebenone n/a 10/31/20 1615 n/a 10/31/20	One amaurosis Corporation Santhera Pharmaceuticals Limited Edison
expressing RPE65 n/a 5/11/20 1614 idebenone n/a 10/31/20 1615	One amaurosis Corporation Santhera Pharmaceuticals Limited Edison
1614 idebenone n/a 10/31/20 1615	Treatment of Leber's hereditary Pharmaceuticals Oof optic neuropathy. Edison
idebenone n/a 10/31/20	Treatment of Leber's hereditary Pharmaceuticals Limited Edison
1615	optic neuropathy. Limited Edison
1615	Edison
	114 Treatment of Leigh Syndrome Pharmaceuticals, Inc.
vatiquinone Vincerinone 6/4/20	
1616	Dafra Pharma
oleylphosphocholine n/a 10/25/20	Treatment of leishmaniasis International nv
1617	Treatment of Lennox-Gastaut Insys Therapeutics,
	14 syndrome Inc.
1618	Treatment of Lennox-Gastaut
cannabidiol; n/a 2/27/20 1619	14 syndrome GW Pharma Ltd. Treatment of Lennox-Gastaut
	212 Syndrome Eisai, Inc.
1620	212 Syndrome Lisal, mc.
	Treatment of leptin deficiency
	secondary to generalized
	lipodystrophy and partial familial Aegerion
metreleptin n/a 8/22/20	001 lipodystrophy Pharnaceuticals, Inc.
1621	Treatment of Lesch-Nyhan
	009 syndrome. EnzymeRx, LLC
1622	Osmotica
	Treatment of levodopa-induced Pharmaceutical
	15 dyskinesia Corporation
1623	Treatment of levodopa-induced Adamas
Amantadine hydrochloride Nurelin 4/9/20	O15 dyskinesia Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1624					
				Treatment of levodopa-induced	Amarantus
	altanrazina UCI	n/o	2/9/2016	dyskinesia associated with Parkinson's disease.	BioScience Holdings,
1625	eltoprazine HCl	n/a	2/8/2010	Treatment of levodopa-induced	Inc.
1023	dipraglurant	n/a	12/29/2015	•	Addex Pharma SA
1626	1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		, -, -	.,	
				Treatment of life-threatening	
				acute cardiac glycoside	
				intoxication manifested by	
				conduction disorders, ectopic	
				ventricular activity and (in some	Boehringer
	Digoxin immune fab(ovine)	Digidote	3/11/1985	cases) hyperkalemia.	Mannheim Corp.
1627					
				Treatment of life-threatening	
	a a ta la l la calua a la la ciala	Catalia	2/10/2014	ventricular arrhythmias in	Arbor
1628	sotalol hydrochloride	Sotylize		pediatric patients Treatment of ligneous	Pharmaceuticals, LLC
1028	human plasminogen	n/a		conjunctivitis	Kedrion, S.p.A.
1629	numan piasininogen	ii/ a	0/7/2010	Treatment of limb-girdle	Redifori, 3.p.A.
1023	Angiotensin (1-7)	n/a	11/26/2013	muscular dystrophy	US Biotest, Inc.
1630	0 (, -, -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Recombinant human			Treatment of lipase deficiencies,	
	lysosomal acid lipase or			including Wolman Disease and	Lysosomal Acid
	cholesteryl ester hydrolase	Cholestrase	7/14/2005	cholesteryl ester storage disease	Lipase, LLC
1631	Adeno-associated vector				
	expressing the human			Treatment of lipoprotein lipase	
	lipoprotein lipase protein	n/a	5/21/2007	,	uniQure B.V.
1632] ,	- 1- 1	Treatment of liver and	Primocure Pharma,
	3-bromopyruvate	n/a	3/5/2013	intrahepatic bile duct cancer	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1633				Treatment of liver and	Primocure Pharma,
	opioid growth factor	n/a	4/16/2013	intrahepatic bile duct cancer	Inc.
1634					Teva Branded
					Pharmaceutical
	arsenic trioxide	Trisenox	6/13/2003	Treatment of liver cancer	Products R&D, Inc.
1635					
	ceramide	n/a	8/8/2016	Treatment of liver cancer	Keystone Nano, Inc.
1636					
	human tumor necrosis factor				
	coupled to the C terminus of				Molecular Medicine
	CNGRCG peptide	n/a	10/1/2009	Treatment of liver cancer	S.p.A. (Molmed)
1637				Treatment of liver transplant	
				recipients with reestablished	
				fibrosis to delay the progression	
				to cirrhosis and end stage liver	Conatus
	emricasan	n/a	11/20/2013		Pharmaceuticals Inc.
1638	Peptide 144 TGF beta-1-			Treatment of localized	
	inhibitor	n/a	4/26/2006	scleroderma	Digna Biotech, S.L.
1639					
	HDF-LV-RTS-MMP1 (human				
	dermal fibroblasts genetically				
	modified with LV-RTS-MMP1)			Treatment of localized	Fibrocell
	and Veledimex	n/a	4/19/2016	scleroderma.	Technologies, Inc.
1640					La Jolla
	Abetimus	n/a	7/28/2000	Treatment of lupus nephritis.	Pharmaceutical Co.
1641					
					Angelini
	Bindarit	n/a	2/3/1998	Treatment of lupus nephritis.	Pharmaceuticals, Inc.
1642	Monoclonal antibody for				
	immunization against lupus				VivoRx Autoimmune,
	nephritis	n/a	1/7/1993	Treatment of lupus nephritis.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1643				Treatment of	LAM Therapeutics,
	sirolimus	n/a	6/25/2014	lymphangioleiomyomatosis	Inc.
1644				Treatment of	Cote Orphan
	sirolimus	n/a	11/17/2011	lymphangioleiomyomatosis	Consulting, LLC
1645				Treatment of lymphatic filariasis caused by nematodes of the family Filariodidea, in children	Janssen Research and
	flubendazole	n/a	1/23/2014	and adults.	Development, LLC
1646	picibanil	n/a		Treatment of lymphatic malformations	Richard Smith, M.D.
1647		-4-2	3, 2., 12322		
	idelalisib	n/a		Treatment of lymphoplasmacytic lymphoma with or without Walenstrom's macroglobulinemia	Gilead Sciences, Inc.
1648				Treatment of macrophage	
	dusquetide	n/a	8/10/2016	activation syndrome	Soligenix, Inc.
	allogenic retinal epithelial cells transfected with plasmid vector expressing ciliary neurotrophic growth factor	n/a		Treatment of macular telangiectasia type 2 (MacTel)	Neurotech USA, Inc.
1650	MAGE-A3 cancer therapeutic			Treatment of MAGE-A3 expressing head and neck	
	Trojan peptide vaccine	n/a	11/24/2008	squamous cell carcinoma	Gliknik, Inc.
1651	astuprotimut-R	n/a		Treatment of MAGE-A3 positive non-small cell lung cancer	GlaxoSmithKline Biologicals, S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1652	Recombinant human insulin-				
	like growth factor-I/insulin-like				
	growth factor binding protein-			Treatment of major burns that	
	3	n/a	6/15/1999	require hospitalization.	Insmed, Inc.
1653					
	AQ-13 (4-aminoquinoline				Immtech
	analog)	n/a	9/12/2008	Treatment of malaria	Pharmaceuticals, Inc.
1654					
		,	- /4 4 /0 0 0 -		Immtech
4655	Pafuramidine maleate	n/a	5/14/2007	Treatment of malaria	Pharmaceuticsl, Inc.
1655	Reversal agent linked to	I.a.	2/26/2010	Turaturant of malania	Danis and Andia
1050	chloroquine-like moiety	n/a	3/26/2010	Treatment of malaria	DesignMedix
1656	tafenoquine	n/a	1/15/2012	Treatment of malaria	Glaxo Group Limited, England
1657	cis-adamantane-2-spiro-3'-8'-	11/ d	1/15/2015	Treatment of maiana	Eligialiu
1037	[4'-[2'-(4'-			Treatment of malaria caused by	
	morpholinyl)ethoxy]phenyl]-			Plasmodium falciparum,	
	1',2,'4'-trioxaspiro[4.5] decane			Plasmodium vivax, Plasmodium	Medicines for Malaria
	• • • •	n/a		ovale, or Plasmodium malariae	Venture (MMV)
1658	mesylate	11, G	1/13/2010	ovaic, or masmodiam maranac	venture (iviiviv)
				Treatment of malaria excluding	Zydus
	quinine sulfate	n/a	12/2/2008	Plasmodium faliparum	Pharmaceuticals, Inc.
1659					World Health
	Artesunate	n/a	7/19/1999	Treatment of malaria.	Organization
1660					
	N'-(7-Chloroquinolin-4-yl)-N,N-				Donald J. Krogstad,
	diethyl-propane-1,3-diamine	n/a	10/29/2015	Treatment of malaria.	MD
1661	5-iodo-2-pytimidinone-2'-				
	deoxyribose	n/a	5/26/2006	Treatment of malginant glioma	Hana Biosciences, Inc.

afatinib Gilotrif(R) 6/4/2014 tumors Pharmaceuticals, la Adenoviral vector expressing Herpes simplex virus thymidine kinase gene n/a 6/17/2005 tumors Advantagene, Inc. Treatment of malignant brain Advantagene, Inc. Treatment of malignant glioma Abscience Teatment of malignant glioma Abscience Teatment of malignant glioma Abscience Teatment of malignant glioma Arsenic trioxide Arsenic trioxide Trisenox Treatment of malignant glioma Teva Branded Pharmaceutical Products R&D, Inc. Everfront Biotech, Inc. 1669 Crenolanib besylate n/a 12/18/2007 Treatment of malignant glioma Morphotek, Inc. 1671 Inc. 1671 Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
afatinib Gilotrif(R) 6/4/2014 tumors Boehringer Ingelhe Pharmaceuticals, II 1663 Adenoviral vector expressing Herpes simplex virus thymidine kinase gene n/a 6/17/2005 tumors Advantagene, Inc. 1664 masitinib n/a 4/20/2005 adenovirus containing a human FAS-c gene n/a 4/2/2012 Treatment of malignant glioma Vascular Biogenics 1666 Arsenic trioxide Trisenox 3/4/2005 Treatment of malignant glioma Praducts R&D, Inc. 1668 Chlorotoxin n/a 12/18/2007 Treatment of malignant glioma Morphotek, Inc. 1670 genetically engineered herpes simplex virus (G207) n/a 4/29/2002 Treatment of malignant glioma Aettis, Inc. 1671 11-12 secreting dendritic cells loaded with autologous tumor Advantagene, Inc. Treatment of malignant brain Advantagene, Inc. Treatment of malignant glioma Vascular Biogenics Treatment of malignant glioma Praducts R&D, Inc. 1670 AROG Pharmaceuticals, II 1671 11-12 secreting dendritic cells loaded with autologous tumor Activartis Biotech Activartis Biotech	1662					
afatinib Gilotrif(R) 6/4/2014 tumors Pharmaceuticals, la 1663 Adenoviral vector expressing Herpes simplex virus thymidine kinase gene n/a 6/17/2005 Treatment of malignant brain Treatment of malignant gastrointestinal stromal tumors Advantagene, Inc. 1664 1665 1666 1666 Arsenic trioxide Arsenic trioxide Trisenox Trieatment of malignant glioma Treatment of malignant glioma Aettis, Inc. Treatment of malignant glioma Treatment of malignant glioma Aettis, Inc. Treatment of malignant glioma Treatment of malignant glioma Aettis, Inc.						
Adenoviral vector expressing Herpes simplex virus thymidine kinase gene n/a 6/17/2005 tumors Advantagene, Inc. 1664 Treatment of malignant brain Advantagene, Inc. 1664 Treatment of malignant advantagene, Inc. 1665 adenovirus containing a human FAS-c gene n/a 4/20/2012 Treatment of malignant glioma Vascular Biogenics Teva Branded Pharmaceutical Pharmaceutical Products R&D, Inc. 1667 butylidenephthalide n/a 12/18/2007 Treatment of malignant glioma Morphotek, Inc. 1669 crenolanib besylate n/a 12/20/2010 Treatment of malignant glioma AROG Pharmaceuticals, L AROG Pharmaceuticals, L 1671 genetically engineered herpes simplex virus (G207) n/a 4/29/2002 Treatment of malignant glioma Aettis, Inc. 1672 IL-12 secreting dendritic cells loaded with autologous tumor					•	Boehringer Ingelheim
Adenoviral vector expressing Herpes simplex virus thymidine kinase gene n/a 6/17/2005 tumors Advantagene, Inc. 1664 Treatment of malignant gastrointestinal stromal tumors AB Science 1665 adenovirus containing a human FAS-c gene n/a 4/2/2012 Treatment of malignant glioma Vascular Biogenics 1666 Treatment of malignant glioma Vascular Biogenics 1667 Arsenic trioxide Trisenox 3/4/2005 Treatment of malignant glioma Products R&D, Inc. 1668 Chlorotoxin n/a 8/5/2015 Treatment of Malignant glioma Inc. 1669 Crenolanib besylate n/a 12/18/2007 Treatment of malignant glioma Morphotek, Inc. 1670 genetically engineered herpes simplex virus (G207) n/a 4/29/2002 Treatment of malignant glioma Aettis, Inc. 1671 [131]-TM-601 (chlorotoxin) n/a 2/14/2002 Treatment of malignant glioma Morphotek, Inc. 1672 IL-12 secreting dendritic cells loaded with autologous tumor		afatinib	Gilotrif(R)	6/4/2014	tumors	Pharmaceuticals, Inc.
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loaded with autologous tumor Activartis Biotech	1672		II/a	2/14/2002	Treatment of mangnant glioma	iviorphotek, inc.
	10/2	_				Activartic Riotech
lysate n/a 6/24/2013 Treatment of malignant glioma GmbH		·	n/a	6/24/2013	Treatment of malignant glioma	

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1673					Oncolytics Biotech,
	pelareorep	Reolysin	4/15/2015	Treatment of malignant glioma	Inc.
1674					
					Sigma-Tau
	Procarbazine HCl	Matulane	8/8/2006	Treatment of malignant glioma	Pharmaceuticals, Inc.
1675	procaspase-activating				Vanquish Oncology,
	compound 1	n/a	7/23/2015	Treatment of malignant glioma	Inc.
1676					
	trabedersen	Oncomun	6/5/2002	Treatment of malignant glioma	Oncotelic Inc.
1677					Novartis
				Treatment of malignant glioma	Pharmaceuticals
	dabrafenib	Tafinlar	2/8/2016	with BRAF V600 mutation	Corporation
1678					
	Adenoviral vector-RheoSwitch				
	Therapeutic System-human				Ziopharm Oncology,
	interleukin 12 + veledimex	n/a	7/23/2015	Treatment of malignant glioma.	Inc.
1679					
					Triphase Research &
	marizomib	n/a	9/21/2015	Treatment of malignant glioma.	Development I Corp.
1680					
	N-[4-(trifluoromethyl)phenyl]				
	5 methylisoxazole-4-		_		
	carboxamide	n/a	5/25/1995	Treatment of malignant glioma.	Sugen, Inc.
1681			- /- /		Vicus Therapeutics,
4.5.5.	propranolol and etodolac	n/a	7/8/2015	Treatment of malignant glioma.	LLC
1682					
	1,2:5,6-Dianhdrogalactitol,		4 10 4 10 5 : 5		DelMar
	NSC-132313	n/a	1/31/2012	Treatment of malignant gliomas	Pharmaceuticals, Inc.
1683		_	= 1.0.10.55		
	Erlotinib Hydrochloride	Tarceva	7/18/2003	Treatment of malignant gliomas	Genentech, Inc

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1684					
				Treatment of malignant	RXi Pharmaceuticals
		Samcyprone (Tm)	4/15/2015	melanoma stage IIB to IV	Corp.
1685	2-[(R)-2-methylpyrrolidin-2-yl]-				
	1H-benzimadazole-4-			Treatment of malignant	
	carboxamide	n/a	12/18/2007	melanoma stages IIb through IV.	AbbVie, Inc.
1686					
	tumor-inflitrating			Treatment of malignant	Lion Biotechnologies,
	lymphocytes; LN-144	n/a	6/9/2015	melanoma Stages IIb to IV	Inc.
1687	2-{3-[(3R)-3-({[2-chloro-3-				
	(trifluoromethyl)phenyl]methy				
	I}(2,2-				
	diphenylethyl)amino)butoxy]p			Treatment of malignant	
	henyl}acetic acid	n/a	6/23/2015	melanoma stages IIB to IV.	Rgenix, Inc.
1688	Endothelin receptor B			Treatment of malignant	ENB Therapeutics,
	antagonist	n/a	1/21/2016	melanoma Stages IIB to IV.	LLC
1689	autologous dendritic cells				
	pulsed with allogeneic tumor			Treatment of malignant	
	cell lysate	n/a	5/6/2014	mesothelioma	Amphera BV
1690					
	Oncolytic adenovirus coding				
	for granulocyte macrophage				
	colony stimulating factor			Treatment of malignant	
	(ONCOS-102)	n/a	12/22/2014	mesothelioma	Oncos Therapeutics
1691				Treatment of malignant	Concordia
	profimer sodium	Photofrin(R)	12/2/2011	mesothelioma	Laboratories, Inc.
1692				Treatment of malignant	
	ranprinase	Onconase	1/25/2007	mesothelioma	Alfacell Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1693					
	Recombinant immunotoxin				
	combining the functional				
	components of antibody against mesothelin and the				
	enzymatic activity of a			Treatment of malignant	National Institutes of
	pseudomonas exotoxin	n/a	2/11/2002	mesothelioma	Health
1694	pseudomonus exotoxin	,	2/11/2002	Treatment of malignant	redicir
	tremelimumab	n/a	3/18/2015	mesothelioma	MedImmune, LLC
1695				Treatment of malignant	
	5,6-dihydro-5-azacytidine	n/a	5/11/1992	mesothelioma.	ILEX Oncology, Inc.
1696				Treatment of malignant pleural	
	Sterile talc	Steritalc	12/8/1997		Novatech SA
1697				Treatment of malignant pleural	
	Arenegyr	n/a	8/22/2008	mesothelioma	MolMed S.p.A.
1698				Treatment of malignant rhabdoid	
	tazemetostat	n/a	2/4/2016	tumors (MRTs)	Epizyme Inc.
1699	conjugate of human			T	Variation Districtly
	transferrin and a mutant	Transmid	12/2/2001	Treatment of malignant tumors	Xenova Biomedix Limited
1700	diphtheria toxin (CRM 107)	Transmid	12/3/2001	of the central nervous system	Cerberus Princeton,
1700	trientine hydrochloride	Syprine(R)	11/2/2010	Treatment of manganism.	LLC
1701	theneme mydroemonde	Эургис(п)	11/2/2010	Treatment of mantle cell	Biovest International,
1701	dasiprotimut-T	Biovax Id	6/17/2010		Inc.
1702			2, , 2	7 1	
	DNA plasmid vector expressing				
	eIF5Ak50R protein, siRNA				
	directed against the native				
	eIF5A mRNA, and PEI			Treatment of mantle cell	Senesco
	(polyethyleneimine)	n/a	7/24/2012	lymphoma	Technologies, Inc.
1703				Treatment of mantle cell	Avicin Therapeutics,
	triterpenoid saponin	n/a	7/23/2014	lymphoma	Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1704					
	(S)-4-(8-amino-3-(1-but-2-				
	ynoylpyrrolidin-2-yl)-				
	imidazo[1,5-a]pyrazine-1-yl)-N- (pyridine-2-yl)-benzamide	n/a	0/21/2015	Treatment of mantle cell	Acerta Pharma BV
1705	(pyridine-z-yr)-berizarnide	n/a	9/21/2013	lymphoma.	Acerta Pilarilla BV
1703					
	(S)-7-(1-acryloylpiperidin-4-yl)-				
	2-(4-phenoxyphenyl)-4,5,6,7-				
	tetrahydroprazolo[1,5-			Treatment of mantle cell	
	a]pyrimidine-3-carboxamide	n/a	6/23/2016	lymphoma.	BeiGene USA, Inc.
1706					
	autologous T-cells transduced				
	with retroviral vector encoding				
	an anti-CD19 CD28/CD3-zeta	,	. /0.0 /0.0	Treatment of mantle cell	
4707	chimeric antigen receptor	n/a	4/28/2016	lymphoma.	Kite Pharma, Inc.
1707				Treatment of mantle cell	Janssen Research &
	daratumumab	n/a	8/20/2015	lymphoma.	Development, LLC
1708	daratamanas	117 0	0/20/2013	Treatment of maple syrup urine	Acer Therapeutics,
	sodium phenylbutyrate	n/a	8/19/2014		Inc.
1709					National Marfan
	losartan	n/a	12/12/2011	Treatment of Marfan Syndrome	Foundation
1710					
					Valcrest
	ketotifen	n/a		Treatment of mastocytosis	Pharmaceuticals, LLC
1711	masitinib	n/a		Treatment of mastocytosis	AB Science
1712	Midostaurin	Rydapt	4/30/2010	Treatment of mastocytosis	Novartis Oncology
1713	Ismall molecule inhibitor of				Pluoprint Modicines
	Exon 17 Mutant KIT	n/a	1/21/2016	Treatment of mastocytosis	Blueprint Medicines Corporation
	LAUTI 17 WILLIAM KIT	ii/ a	1/21/2010	Treatment of mastocytosis	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1714	cromolyn sodium for	,		_	
	inhalation	n/a	12/9/2015	Treatment of mastocytosis.	Patara Pharma, LLC
1715					Novartis
					Pharmaceuticals
	sonidegib	n/a	3/23/2015	Treatment of medulloblastoma	Corp.
1716					
					DelMar
	1,2:5,6-dianhydrogalactitol	n/a	3/10/2016	Treatment of medulloblastoma.	Pharmaceuticals, Inc.
1717				Treatment of megaloblastic	
				anemia caused by folate	
	levomefolate calcium	n/a	2/10/2015	·	Cox Biosciences LLC
1718				Treatment of melanoma stages	
				IIb through IV as part of a	
				combination chemotherapy	
	bevacizumab	Avastin	10/13/2009	regimen	Genentech, Inc.
1719					
	5-[(E)-2-(4-hydroxyphenyl)-				Sirtris
	ethenyl] benzene-1,3 diol	Resveratrol	3/13/2008	Treatment of MELAS syndrome	Pharmaceuticals, Inc.
1720	N-Hydroxy-4-(3-methyl-2-				
	(S)phenyl-				Arno Therapeutics,
	butyrylamino)benzamide	n/a	1/13/2012	Treatment of meningioma	Inc.
1721					Stephen G. Kaler,
	copper histidine	n/a	5/14/2012	Treatment of Menkes disease	M.D.
1722					
	rsATP7A cDNA	n/a	1/10/2014	Treatment of Menkes disease	Stephen G. Kaler, MD
1723				Treatment of mercury	
	Succimer	Chemet	3/22/1991	intoxication.	Sanofi Winthrop, Inc.
1724	N,N'-bis(2-				
	mercaptoethyl)isophthalamide				
	(NBMI)	n/a	4/6/2012	Treatment of mercury toxicity	CTI Science Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1725	recombinant human				
	monoclonal IgG1 antibody				
	against programmed death			Treatment of merkel cell	
	ligand-1 (anti-PD-L1)	n/a	9/21/2015	carcinoma.	EMD Serono, Inc.
1726				Tarakarank af manasia (lausiaia	
				Treatment of merosin (laminin-	
	human laminin-111	n/2	0/22/2011	alpha2) deficient congential muscular dystrophy type 1A.	Prothelia, Inc.
1727	Illullian lanninn-111	n/a	9/23/2011	muscular dystrophly type 1A.	Protilella, Ilic.
1/2/	adenovirus vaccine encoding				
	reduced expression in				
	immortalized cell protein	n/a	7/14/2015	Treatment of mesothelioma	MTG Biotherapeutics
1728	amatuximab	n/a		Treatment of mesothelioma	Morphotek, Inc.
1729		,			,
	antimesothelin-ADC (antibody				Bayer HealthCare
	drug conjugate)	n/a	7/5/2012	Treatment of mesothelioma	Pharmaceuticals, Inc.
1730	bevacizumab	Avastin	1/27/2016	Treatment of mesothelioma	Genentech, Inc.
1731					
	N-methyl-4-({4-[({3-				
	methyl(methylsulfonyl)amino]				
	pyrazin-2-yl}methyl)amino]-5-				
	(trifluoromethyl)pyrimidin-2-				
	yl}amino)benzamide				
	hydrochloride	n/a	7/18/2013	Treatment of mesothelioma	Verastem, Inc.
1732	Human wilms tumor protein 1	,			SELLAS Life Sciences
4=00	peptides	n/a	2/23/2016	treatment of mesothelioma.	Group
1733					
	Live-attenuated Listeria				
	monocytogenes actA/inlB/human mesothelin				
	(hMeso) Strain hMeso38	Not Determined	2/24/2015	Treatment of mesothelioma.	Aduro BioTech, Inc.
1734	pegargiminase	n/a		Treatment of mesothelioma.	Polaris Group
1/34	pegargininase	11/ α	7/21/2014	Treatment of mesothenoma.	i olaris Group

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1735					
				Treatment of metachromatic	Shire Human Genetic
	arylsulfatase A (rhASA)	n/a	2/27/2008	leukodystrophy	Therapies, Inc.
1736					
	_			Treatment of metastatic	Matrix
	Cisplatin/epinephrine	Intradose	9/7/2000	malignant melanoma.	Pharmaceutical, Inc.
1737				Treatment of metastatic	Hoffmann-La Roche,
	Interleukin-2	Teleleukin	2/6/1990	malignant melanoma.	Inc.
1738	autologous tumor-derived				
	gp96 heat shock protein-			Treatment of metastatic	
	peptide complex	Oncophage	7/11/2002	melanoma	Agenus, Inc.
1739	recombinant human			Treatment of metastatic	
	endostatin protein	n/a	2/21/2002	melanoma	EntreMed, Inc.
1740					
				Treatment of metastatic	Provectus
	Rose Bengal Disodium	n/a	12/21/2006		Pharmaceuticals, Inc.
1741				Treatment of metastatic	Synta
				melanoma in combination with	Pharmaceuticals
	Elesclomol	n/a	12/18/2007	paclitaxel	Corporation
1742					
	[131I]-N-(2-(diethylamino)			Treatment of metastatic	Molecular Insight
	ethyl-4-(4 flurobenzamido)-5-			melanoma, stages IIB, IIC, III and	Pharmaceuticals, Inc.
	(iodo)-2-methoxybenzamide	n/a	9/17/2008		(Progenics Subsidiary)
1743				Treatment of metastatic	Dovetail
	Beta alethine	Betathine	3/24/1997	melanoma.	Technologies, Inc.
1744	Gp100 adenoviral gene			Treatment of metastatic	
	therapy	n/a	3/25/1997	melanoma.	Genzyme Corporation
1745				Treatment of metastatic or	
				locally advanced inoperable	
				transitional cell carcinoma of the	
	Sodium ascorbate and			urothelium (stage III and IV	IC-MedTech
	menadione sodium bisulfite	Apatone	7/31/2007	bladder cancer)	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1746				Treatment of metastatic renal	Hoffmann-La Roche,
	Interleukin-2	Teceleukin	2/5/1990	cell carcinoma.	Inc.
1747				Treatment of metastatic uveal	
	vincristine sulfate liposomes	Marqibo	6/24/2008	melanoma.	Talon Therapeutics
1748					
				Treatment of	Fera Pharmaceuticals,
	methylene blue	n/a	7/24/2012	methemoglobinemia	LLC
1749					
				Treatment of mild to moderate	
		Pamisyl (P-D), Rezipas		ulcerative colitis in patients	
	4-aminosalicylic acid	(Squibb)	12/13/1989	intolerant to sulfasalazine.	Beeken, Warren M.D.
1750					
				Treatment of mitchondrial	Wellstat Therapeutics
	uridine triacetate	n/a	9/3/2009		Corporation
1751				Treatment of mitochondrial	Gel-Tec, Division of
	Ubiquinone	Ubi-Q-Gel	12/14/1999	cytopathies.	Tishcon Corp.
1752	cytochrome C, flavin				
	mononucleotide and thiamin			Treatment of mitochondrial	NBI Pharmaceuticals,
	diphosphate	n/a	6/17/2011	disorders	Inc.
1753					
				Treatment of mitochondrial	
				myopathy, encephalopathy,	Santhera
				lactic acidosis with stroke-like	Pharmaceuticals
	idebenone	n/a	5/22/2009	episodes syndrome (MELAS)	Limited
1754				Treatment of mitochondrial	
				neurogastrointestinal	
	recombinant thymidine			encephalomyopathydue to	
	phosphorylase encapsulated			thymidine phosphorylase	St. George's
	with autologous erythrocytes	n/a	12/13/2010	deficiency.	University of London

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1755	Trisaccharides A and B	Biosynject	4/12/1987	Treatment of moderate to severe clinical forms of hemolytic disease of the newborn arising from placental transfer of antibodies against blood group substances A and B.	Chembiomed, Ltd.
1756					
	perhexiline maleate	n/a	6/14/2012	Treatment of moderate to severe symptomatic hypertrophic cardiomyopathy	Heart Metabolics, Limited.
1757					
	cyclosporine; ciclosporin	Neurostat(R)/Ciclomulsion (R)	11/23/2010	Treatment of moderate to severe traumatic brain injury.	NeuroVive Pharmaceutical AB
1758	, , , ,		• •	, ,	
	Tetrabenazine	n/a	5/12/1998	Treatment of moderate/severe tardive dyskinesia.	Prestwick Pharmaceuticals, Inc.
1759	cyclic pyranopterin monophosphate (cPMP)	n/a	11/5/2009	Treatment of molybdenum cofactor deficiency type A	Alexion Pharmaceuticals, Inc.
1760	Neurotrophin-1	n/a	9/13/1994	Treatment of motor neuron disease/amyotrophic lateral sclerosis.	Ericsson, Arthur Dale, M.D.
1761	adult adherent bone marrow- derived multipotent stem cells			Treatment of MPS-1, including	Athersys, Inc.
1762	denved multipotent stem tens	iviuitisteili	7,0,2012	Treatment of	Autersys, IIIc.
	pentosan polysulfate sodium	Lysosan (Tm)	1/5/2015	mucopolysaccharidosis (MPS) type VI	Plexcera Therapeutics, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1763	chimeric fusion protein of				
	recombinant human alpha-N-			Treatment of	
	acetylglucosaminidase and			mucopolysaccharidosis III Type B	D: 44 :
	human insulin-like growth	/-	11/25/2014	(MPS IIIB, Sanfilippo Syndrome	BioMarin
1764	factor 2	n/a	11/25/2014	Treatment of	Pharmaceutical, Inc.
1764	recombinant human alpha-N-			mucopolysaccharidosis IIIB	Alexion
	acetylglucosaminidase	n/a	4/15/2013	(Sanfilippo B syndrome)	Pharmaceuticals, Inc.
1765	dectyigideosairiiiidase	117 G	4/13/2013	Treatment of	That maccaticals, me.
1,03				mucopolysaccharidosis Type 1	ArmaGen
	IDUA-HIRMAb fusion protein	n/a	1/10/2008		Technologies, Inc.
1766	·			Treatment of	
	ataluren	Translarna	12/10/2014	mucopolysaccharidosis type I	PTC Therapeutics, Inc.
1767					
				Treatment of	
	iduvec	n/a	1/21/2011	Mucopolysaccharidosis Type I	Zebraic Corporation
1768					
	aden-associated virus vector			Treatment of	
	serotype 9 expressing human a- L-iduronidase	- /-	0/20/2015	mucopolysaccharidosis Type I	DECENIADIO 100
1769	L-iduronidase	n/a	9/29/2015	(IMSP I).	REGENXBIO, Inc.
1769	non-replicating recombinant				
	adeno-associated virus (AAV)				
	vector of serotype 9				
	expressing human iduronate-2-			Treatment of	
	sulfatase	n/a	12/8/2015	Mucopolysaccharidosis Type II	REGENXBIO, Inc.
1770				Treatment of	
				mucopolysaccharidosis Type II	ArmaGen
	HIRMAb-IDS	n/a	5/15/2013	(Hunter Syndrome)	Technologies, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1771					
	adeno-associated virus				
	serotype 9 vector containing			Treatment of	
	human Iduronate-2-sulfatase	. 1.	7/46/2045	mucopolysaccharidosis type II	Laboratorios del Dr.
1772	transgene	n/a	//16/2015	(Hunter syndrome).	Esteve, S.A.
1//2	adeno-associated virus vector			Treatment of	
	serotype 9 expressing human			mucopolysaccharidosis type IIIA	Laboratorios del Dr.
	,, ,	n/a	6/1/2011	(Sanfilippo A Syndrome).	Esteve, S.A.
1773		-4-	5/ =/ = 0 = 1		
	recombinant AAV9 expressing			Treatment of	
	human sulfoglucosamine			mucopolysaccharidosis type III-A	
	sulfohydrolase	n/a	4/29/2014	(Sanfilippo Syndrome Type A)	Abeona Therapeutics
1774	adeno associated viral vector				
	serotype rh.10 carrying the			Treatment of	
	human SGSH and SUMF1			mucopolysaccharidosis type IIIA	
	cDNAs	n/a	5/6/2013	(Sanfilippo type A syndrome)	Lysogene
1775					
	adeno-associated viral (AAV)				
	vector serotype rh. 10 encoding the human N-			Treatment of	
	sulfoglycosamine			mucopolysaccharidosis type IIIA	
	<u> </u>	n/a	11/18/2015	or Sanfilippo type A syndrome	LYSOGENE
1776	Janphonyarolase edita (30311)	11 <i>y</i> w	11/10/2013	or sammppo type A syndrome	LIJOGENE
	adeno-associated viral vector				
	serotype 9 containing human			Treatment of	
	N-acetylglucosaminidase alpha			mucopolysaccharidosis type IIIB	Laboratorios del Dr.
	gene	n/a	12/27/2012	(Sanfilippo B syndrome)	Esteve, S.A.
1777					
				Treatment of	
	recombinant human Naglu-			mucopolysaccharidosis type IIIB	Shire Human Genetic
	insulin-like growth factor II	n/a	3/5/2013	(Sanfilippo syndrome type B)	Therapies, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1778	lysosomal enzyme N-			Treatment of	
	acetylgalactosamine-6-sulfate			mucopolysaccharidosis Type IVA	Vivendy Therapeutics
	sulfatase	n/a	9/10/2008	(Morquio Syndrome)	LTD
1779				Treatment of	
				mucopolysaccharidosis type VI	
	adeno associated viral vector			(MPS VI; Maroteaux-Lamy	
	containing human ARSB gene	n/a	3/17/2011	syndrome)	Fondazione Telethon
1780				Treatment of	
	recombinant human beta-			mucopolysaccharidosis VII (MPS	Ultragenyx
	glucuronidase	n/a	2/16/2012	VII, Sly Syndrome)	Pharmaceutical, Inc.
1781	2-(3-diethylaminopropyl)-8,8-				
	dipropyl-2-azaspiro [4,5] decan			Treatment of mulitple myeloma	Callisto
	dimaleate	Atiprimod	12/2/2003	and associated bone resorption	Pharmaceuticals, Inc.
1782					
	(3E,5E)-3,5-bis[(4-fluoro-3-				
	nitrophenyl)methylidene]-1-				
	(prop-2-enoyl)azepan-4-0ne	n/a	4/30/2014	Treatment of multiple myeloma	VivoLux AB
1783	1 8-(p[131I]-				
	iodophenyl)octadecyl				Cellectar Biosciences,
	phosphocholine	n/a	12/3/2014	Treatment of multiple myeloma	Inc.
1784	1-(4-(benzylamino)-7,8-				
	dihydro-5H-pyrano[4,3-				
	d]pyrimidin-2-yl)-2-methyl-1H-				Cleave Biosciences,
	indole-4-carboxamide	n/a	7/8/2015	Treatment of multiple myeloma	Inc.
1785	6-[4-Deoxy-4-[(2E,4E)-				
	tetradecadienoylglycyl]amino-				
	L-glycero-B-L-manno-				
	heptopyranosyl]amino-9H-				DARA BioSciences,
	purine	n/a	6/12/2014	Treatment of multiple myeloma	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1786					
					Advancell-Advanced In Vitro Cell
	acadesine	n/a	5/4/2011	Treatment of multiple myeloma	Technologies S.A.
1787	deddesine	iii, a	3/4/2011	Treatment of material mycloma	recimologies 5.7 t.
	autologous T-lymphocytes				
	transduced with anti-BCMA02				
	CAR lentiviral vector encoding				
	a chimeric antigen receptor				
	(CAR) specific for the human B	,	- 4 4		
4700	cell maturation antigen	n/a	5/11/2016	Treatment of multiple myeloma	bluebird bio, Inc.
1788	avicin d	n/a	2/24/2015	Treatment of multiple myeloma	Avicin Therapeutics Ltd.
1789	aviciii u	11/ d	3/24/2013	Treatment of multiple myeloma	Bristol-Myers Squibb
1785	elotuzumab	n/a	9/1/2011	Treatment of multiple myeloma	Company
1790	0.000020	,	0, 1, 1011		Company
	Extract of sea cucumber, sea				
	sponge, shark fin, sea urchin,				Unicorn Pacific
	and sargassum grass	n/a	5/14/2012	Treatment of multiple myeloma	Corporation
1791	human anti-cellular adhesion				
	molecule-1 monoclonal	,	7/20/2000		BioInvent
1792	antibody	n/a	//29/2008	Treatment of multiple myeloma	International AB
1/92	ibrutinib	n/a	5/16/2013	Treatment of multiple myeloma	Pharmacyclics, LLC
1793		,	3, 13, 1618	The section of the se	
	Interferon-alfa-1b	n/a	4/17/2001	Treatment of multiple myeloma	Ernest C.Borden
1794					Triphase Research
					and Development I
	Marizomib	n/a	12/13/2013	Treatment of multiple myeloma	Corp.
1795	9.		0/40/000	-	
	milatuzumab	n/a	3/10/2008	Treatment of multiple myeloma	Immunomedics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1796		,	6/00/00/0		
4=0=	Multi-peptide cancer vaccine	n/a	6/23/2013	Treatment of multiple myeloma	OncoPep, Inc.
1797	N2'-Deacetyl-N2'-[4-methyl-4- (oxobuthyldithio)-1-oxopentyl]- maytansine-chimerized anti- CD138 IgG4 Monoclonal Antibody	n/a	2/27/2008	Treatment of multiple myeloma	Biotest Pharmaceuticals Corporation
1798					
	O2-(2,4-dinitrophenyl) 1-[(4- ethoxycarbonyl)piperazin- 1yl]diazen-1-ium-1,2-diolate	n/a	12/13/2013	Treatment of multiple myeloma	JSK Therapeutics, Inc.
1799					
	oblimersen	Genasense	8/28/2001	Treatment of multiple myeloma	Genta, Inc.
1800	oprozomib	n/a	10/28/2014	Treatment of multiple myeloma	Onyx Therapeutics, Inc.
1801	Plitidepsin	Aplidin		Treatment of multiple myeloma	PharmaMar USA, Inc.
1802	recombinant human monoclonal IgM antibody targeting glucose regulated protein 78	n/a	10/25/2013	Treatment of multiple myeloma	Patrys Ltd.
1803					
	roneparstat	n/a	3/19/2015	Treatment of multiple myeloma	Sigma-Tau Research Switerland S.A.
1804	S(-)-3-[3-amino-phthalimido]- glutaramide	n/a	3/14/2002	Treatment of multiple myeloma	EntreMed Incorporated
1805	selinexor	n/a	1/5/2015	Treatment of multiple myeloma	Karyopharm Therapeutics, Inc.
1806	Tanespimycin	n/a		Treatment of multiple myeloma	Bristol-Myers Squibb

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1807					
		,	- /- /		VioQuest
4000	triciribine	n/a	2/1/2008	Treatment of multiple myeloma	Pharmaceuticals, Inc.
1808	Venetoclax	n/a	8/29/2016	Treatment of multiple myeloma	AbbVie Inc.
1809					
	2-(2-phenylvinyl)-4-[4-				
	methylpiperazin-l-yl)]-6-(5- methyl-2H-pyrazol-3-yl-amino)-				
	pyrimidine L(+) tartrate salt	n/a	12/22/2008	Treatment of multiple myeloma.	EntreMed, Inc.
1810	pyrimanic E(1) tartrate sait	117 0	12/22/2000	Treatment of matiple myeloma.	TEVA Branded
					Pharmaceutical
	Arsenic trioxide	Trisenox	4/28/2000	Treatment of multiple myeloma.	Products R & D, Inc.
1811					Dovetail
	Beta alethine	Betathine	3/24/1997	Treatment of multiple myeloma.	Technologies, Inc.
1812	Chelating agent delivering				
	Holmium-166	n/a	2/10/1999	Treatment of multiple myeloma.	NeoRx Corporation
1813		,	0/10/001		
1014	dacetuzumab	n/a	8/13/2004	Treatment of multiple myeloma.	Seattle Genetics, Inc.
1814	DNA plasmid vector expressing eIF5Ak50	n/a	12/12/2010	Treatment of multiple myeloma.	Senesco Technologies, Inc.
1815	EIFSARSU	11/ d	12/13/2010	Treatment of multiple myeloma.	reciniologies, inc.
1015	filanesib	n/a	5/6/2014	Treatment of multiple myeloma.	Array BioPharma, Inc.
1816				·	
	humanized immunoglobulin				
	monoclonal antibody against				Sanofi U.S. Services,
	CD38	n/a	5/22/2014	Treatment of multiple myeloma.	Inc.
1817	IgG1 chimeric monoclonal			_	Immune System
46:5	antibody	n/a	6/22/2011	Treatment of multiple myeloma.	Therapeutics Ltd
1818			44 /0 /4 00 0		AmpliMed
	Imexon	n/a	11/8/1996	Treatment of multiple myeloma.	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1819					
	N-(methyl-diazacyclohexyl-				
	methylbenzamide)-azaphenyl-	/-	10/17/2005	Transfer and of manifelials manifelance	AD Caianas
1820	aminothiopyrrole) mesylate Papain, trypsin, and	n/a	10/17/2005	Treatment of multiple myeloma.	AB Science Marlyn
1020	chymotrypsin	Wobe-Mugos	12/21/1998	Treatment of multiple myeloma.	Nutraceuticals, Inc.
1821	спутной урзін	WODE Magos	12/21/1990	Treatment of mattiple mycloma.	Merck, Sharp &
1021	pembrolizumab	Keytruda	2/17/2016	Treatment of multiple myeloma.	Dohme Corp.
1822	synthetic signal peptide of	-,	, ,	, , , , , , , , , , , , , , , , , , , ,	
	human mucin-1 (amino acids 1-				Vaxil Bio Therapeutics
	21)	n/a	6/16/2015	Treatment of multiple myeloma.	Ltd.
1823					
				Treatment of multiple sclerosis	
				patients who are both HLA-DR2	
				positive and autoreactive to	Artielle
	Recombinant T-cell receptor	la	F /2 /2002	myelin oligodendrocyte	ImmunoTherapeutics,
1824	ligand	n/a	5/2/2003	glycoprotein residues 35-55 Treatment of Muscular	Inc.
1024				Dystrophy resulting from	
				premature stop mutations in the	
	ataluren	n/a	1/10/2005	dystrohin gene	PTC Therapeutics, Inc.
1825		- 1	_,,		XTL
	recombinant human				Biopharmaceuticals,
	erythropoietin (rHuEPO)	n/a	5/26/2011	Treatment of mutliple myeloma	Ltd
1826					The Universtiy of
					Kanasa Medical
	Methotrexate	Amethopterin	8/28/2014	Treatment of Myasthenia Gravis	Center
1827					
	monarsen	n/a	11/14/2003	Treatment of myasthenia gravis	Bioline Rx, Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1828					
	neostigmine methylsulfate	n/a	2/17/2012	Treatment of Myasthenia Gravis	Luitpold Pharmaceuticals, Inc.
1829	neostignine methylsunate	ii) a	2/17/2012	Treatment of Myastrienia Gravis	riiaiiiiaceuticais, iiic.
	peptides mimicking antigen				
	receptors on autoimmune B				
	cells and autoimmune T cells				
	associated with myasthenia	,	- / - /		
4020	gravis	n/a	2/4/2011	Treatment of myasthenia gravis	CuraVac Europe SPRL
1830	Recombinant Human Alpha- Fetoprotein (rhAFP)	n/a	2/22/2001	Treatment of myasthenia gravis	Alpha Cancer Technologies, Inc.
1831	retoprotein (marr)	II/ d	2/22/2001	Treatment of myastnema gravis	reciniologies, inc.
1031	tolerogen	n/a	2/5/2015	Treatment of myasthenia gravis	Toleranzia AB
1832					
					Alexion
1000	eculizumab	n/a	6/12/2014	Treatment of Myasthenia Gravis.	Pharmaceuticals, Inc.
1833				Treatment of Mycobacterium avium complex in patients with	Hoechst Marion
	Rifapentine	Priftin	6/9/1995		Roussel , Inc.
1834	'		, ,	Treatment of Mycobacterium	Kanyok, Thomas P.
	Aminosidine	Gabbromicina	11/15/1993	avium complex.	Pharm.D.
1835					
1836	brentuximab vedotin	Adcetris	11/19/2012	Treatment of mycosis fungoides	Seattle Genetics, Inc. Emergent Product
1836	human anti-CD4 monoclonal				Development Seattle,
	antibody	Humax-Cd4	8/13/2004	Treatment of mycosis fungoides	LLC
1837	1-(2-C-cyano-2-deoxy-B-D-		2, 23, 200	222 222	-
	arabino-pentafuranosyl)-N4-			Treatment of myelodysplastic	
	palmitoylcytosine	Sapacitabine	6/24/2010	syndrome	Cyclacel Limited
1838					
	6,8-bis-benzylsulfanyl-octanoic	 n/2	0/26/2012	Treatment of myelodysplastic	Cornerstone
L	acid	n/a	9/26/2013	synurome	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1839					Maret
				Treatment of myelodysplastic	Pharmaceutical
	Angiotensin 1-7	Marstem	8/3/2001	syndrome	Corporation
1840				Treatment of myelodysplastic	
	ezatiostat hydrochloride	Telintra	1/9/2013	syndrome	Telik, Inc.
1841	humanized IgG4 monoclonal				
	antibody to Toll-Like Receptor			Treatment of myelodysplastic	Opsona Therapeutics
	2 (TLR2)	n/a	8/30/2016	•	Ltd.
1842	hydralazine - magnesium		- 4 - 4	Treatment of myelodysplastic	Neolpharma S.A.DE
	valproate	Transkrip(R)	3/17/2011	syndrome	C.V.
1843					
				Treatment of myelodysplastic	Janssen Research &
	imetelstat	n/a	12/23/2015	syndrome	Development, LLC
1844					
	menatetrenone and Vitamin		0/22/2011	Treatment of myelodysplastic	NBI Pharmaceuticals,
1015	D3	n/a	8/22/2011	syndrome	Inc.
1845	NALNIAONA LAISININ AND AND AND AND AND AND AND AND AND AN			Total control of Marchael and a charles	NATIL
	MLN4924-Inhibitor of Nedd8-	. 1.	2/4/2044	Treatment of Myelodysplastic	Millennium
1016	activating enzyme (NAE)	n/a	2/4/2011	syndrome	Pharmaceuticals, Inc.
1846	N.A. anti-anta-t	/ -	C /12 /201 4	Treatment of myelodysplastic	Mirati Therapeutics,
1047	Mocetinostat	n/a	6/12/2014	·	Inc.
1847	December of Fusion Ductoin	/ -	7/24/2012	Treatment of Myelodysplastic	Anarania Cashii
1040	Recombinant Fusion Protein	n/a	7/24/2012	Syndrome	Apogenix GmbH
1848	recombinant fusion protein				
	recombinant fusion protein consisiting of a modified form				
	of extracellular domain of			Treatment of mysledysplastic	
		 n/2	3/18/2013	Treatment of myelodysplastic	Colgono Cornoration
1849	human Activin receptor IIB	n/a	3/18/2013	Treatment of myelodysplastic	Celgene Corporation
1849	Thalidomide	Thalomid	9/27/2004		Colgono Cornoration
	mandomide	THAIDITIIO	9/2//2004	syndroine	Celgene Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1850					Teva Branded
				Treatment of myelodysplastic	Pharmaceutical
	arsenic trioxide	Trisenox	7/17/2000	syndrome.	Products R&D, Inc.
1851					Johnson & Johnson
				Treatment of myelodysplastic	Pharmaceutical
	Epoetin alfa	n/a	12/20/1993	syndrome.	Research & Dev.,
1852					
				Treatment of myelodysplastic	NBI Pharmaceuticals,
	menatetrenone	Mk4(R)	2/4/2011	syndrome.	Inc.
1853	stem/progenitor cells derived				
	from ex vivo expanded				
	allogeneic umbilical cord blood			Treatment of myelodysplastic	
	cells	Nicord(R)	11/13/2014	syndrome.	Gamida Cell Ltd.
1854				Treatment of myelodysplastic	IVAX International
	omacetaine mepesuccinate	n/a		syndromes	GmbH
1855				Treatment of myelodysplastic	Onconova
	rigosertib	n/a	9/3/2009	syndromes	Therapeutics, Inc.
1856					
	Nine amino acid polypeptide			Treatment of myelodysplastic	
	derived from proteinase 3	n/a	9/3/2004	syndromes requiring therapy	The Vaccine Company
1857				Treatment of myelodysplastic	
	Amifostine	Ethyol	10/4/1999	syndromes.	Clinigen Group plc
1858				Treatment of myelodysplastic	
	Heme arginate	Normosang	3/1/1994	syndromes.	Orphan Europe
1859					
				Treatment of myelodysplastic	Sparta
	RII retinamide	n/a	5/6/1993	syndromes.	Pharmaceuticals, Inc.
1860					
					Janssen Research &
	imetelstat	n/a	6/11/2015	Treatment of myelofibrosis	Development, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1861	N-(cyanomethyl)-4-(2-{[4-				
	(morpholin-4-				
	yl(phenyl]amino}pyrimidin-4-	,	- 1- 1		
1000	yl)benzamide	n/a	8/5/2010	Treatment of myelofibrosis	Gilead Sciences, Inc.
1862	pegylated proline interferon	/-	4/10/2014	Tuesting at a facility of the second	PharmaEssentia,
1000	alpha-2b recombinant human Pentraxin-	n/a	4/10/2014	Treatment of myelofibrosis	Corporation
1863	recombinant numan Pentraxin-	n/a	9/26/2014	Treatment of myelofibrosis	Promedior, Inc.
1864	2	II/ d	8/20/2014	Treatment of myelonbrosis	Promedior, inc.
1004				Treatment of myeloproliferative	
	Adenosine triphosphate type 1			disorders (polycythemia vera,	
	competitive inhibitor of JAK2			essential throbocythemia, and	
	V617F tyrosine kinase	n/a	3/3/2011	myelofibrosis)	Eli Lilly and Company
1865	,			Treatment of myotonic	, ,
	mecasermin	Iplex	12/3/2007	dystrophy	Insmed, Inc.
1866					
	synthetic oligomer of 16			Treatment of myotonic	Ionis
	nucleotides	n/a		dystrophy Type I	Pharmaceuticals, Inc.
1867	BF2.649 (Pitolisant)	n/a		Treatment of narcolepsy	Bioprojet Pharma
1868	mazindol	n/a	7/6/2016	Treatment of narcolepsy	NLS-0 Pharma AG
1869					
					Jazz Pharmaceuticals
	optically pure phenylalanine	. /-	0/20/2042	T	International III
1070	derivative	n/a	8/20/2012	Treatment of narcolepsy	Limited
1870				Treatment of narcolepsy and the auxiliary symptoms of cataplexy,	
				sleep paralysis, hypnagogic	
				hallucinations and automatic	Biocraft Laboratories,
	Gamma hydroxybutyrate	n/a	12/3/1987		Inc.
1871	synthetic peptide H-D-Ala-Ser-		12,3,1307		
	Pro-Met-Leu-Val-Ala-Tyr-Asp-D-			Treatment of necrotizing soft	
	Ala-OH	n/a	10/12/2011	tissue infections (NSTI)	Atox Bio, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1872					La Jolla
				Treatment of Neimann-Pick	Pharmaceutical
	allopregnanolone	n/a	7/12/2013	disease, type C	Company, Inc.
1873				Treatment of Neimann-Pick	
	arimoclomol citrate	n/a	1/13/2015	disease, type C	Orphazyme ApS
1874					
				Treatment of neonatal diabetes	
	glibentek (glibenclamide oral			(monogenic forms of diabetes	
	suspension)	n/a	6/8/2016	that present in infancy)	AMMTeK
1875					
		,			N & N
	N-Methanocarbathymidine	n/a	10/15/2014	Treatment of neonatal herpes	Pharmaceuticals, Inc.
1876					
		,	. /22 /22 =	Treatment of neonatal hypoxic	
4077	cannabidiol	n/a	4/22/2015	ischemic encephalopathy	GW Pharma Ltd.
1877				Turntur out of a country by an aris	
		. 1.	4/42/2042	Treatment of neonatal hypoxic	Cala a cara Cara A
1070	melatonin	n/a	4/12/2013	ischemic encephalopathy	Scharper S.p.A.
1878	lovotino coto no	V a ra ra ra	4/20/2010	Treatment of very tal asia, was	University of California
1070	levetiracetam	Keppra	4/30/2010	Treatment of neonatal seizures	California
1879	Donata as a sha wi da a tha d				
	Pentasaccharide ethyl				
	glycoside consisting of one				
	alpha-D-sialylosyl residue as a			Treatment of neonates and	
	sodium salt, two beta-D-				
	galactopyranosyl residues, one 2-acetamido-beta-D-			infants undergoing	
	glucopyranosyl unit, and one			cardiopulmonary bypass during	
	alpha-L-fucopyranosyl unit	Cylovin	7/18/1997	surgical repair of congenital heart	Cytel Corporation
1880	aipiia-L-iucopyraiiosyi uliit	Cylexin	//10/199/	Treatment of neoplastic	Baxter Healthcare
1000	Mafosfamide	n/a	1/21/2002	meningitis	Corporation
	iviaiosiaililue	II/a	1/21/2003	Inemilians	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1881				Treatment of nephropathic	
	Cysteamine	n/a	5/1/1986	cystinosis.	Thoene, Jess G., M.D.
1882				Treatment of nerve agent-	Meridian Medical
	midazolam	n/a	7/24/2012	induced seizures	Technologies, Inc.
1883	6-ethoxy-7-methoxy-2-(2-				
	methylsulfanylphenyl)-3,1-			Treatment of Netherton	
	bensoxazin-4-one	n/a	6/18/2015	syndrome	Sixera Pharma AB
1884	recombinant kallikrein			Treatment of Netherton	
	inhibitor	n/a	11/23/2010	Syndrome.	Dermadis SA
1885					Memorial Sloan
	131-I-8H9 monoclonal				Kettering Cancer
	antibody	n/a	8/29/2016	Treatment of neuroblastoma	Center
1886	crizotinib	Xalkori	10/31/2012	Treatment of neuroblastoma	Pfizer, Inc.
1887					Orbis Health
	dendritic hybrid cell vaccine	Neuroblaxin	9/23/2011	Treatment of neuroblastoma	Solutions, LLC
1888					
					Cancer Prevention
	eflornithine	n/a	11/23/2010	Treatment of neuroblastoma	Pharmaceutical, Inc.
1889					
	entrectinib;N-[5-(3,5-				
	difluorobenzyl)-1H-indazol-3-				
	yl]-4-(4-methylpiperazin-1yl)-2-				
	(tetrahydro-2H-pyran-4-				
	ylamino)benzamide	n/a	12/22/2014	Treatment of neuroblastoma	Ignyta, Inc.
1890					USC-CHLA Institute
					for Pediatric Clinical
	Fenretinide	n/a	10/5/2005	Treatment of neuroblastoma	Research
1891					Memorial Sloan-
	Humanized 3F8-IgG1				Kettering Cancer
	monoclonal antibody	n/a	6/24/2013	Treatment of neuroblastoma	Center

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1892					
	monoclonal antibody 3F8	n/2	10/16/2009	Treatment of neuroblastoma	United Therapeutics Corporation
1893	MV-NB-02, its bivalent	n/a	10/16/2008	Treatment of fleuropiastoria	Corporation
1033	ganglioside vaccine consisting				
	of GD2-lactone and GD3-				
	lactone each covalently				
	conjugated to keyhole				MabVax
	hemocyanin	n/a	9/23/2014	Treatment of Neuroblastoma	Therapeutics, Inc.
1894	and the day	. 1.	7/0/2010	T	Aeterna Zentaris
1895	perifosine	n/a	//9/2010	Treatment of neuroblastoma	GmbH
1895	anisina	n/a	7/14/2015	Treatment of neuroblastoma.	Novogen Ltd
1896	dilisiid	in a	7/11/2013	Treatment of flear oblastoma.	11010gen zea
					Enzon
	firtecan pegol	n/a	4/18/2011	Treatment of neuroblastoma.	Pharmaceuticals, Inc.
1897	mouse-human chimeric				
	monoclonal anti-GD2 lgG1				
1000	antibody	n/a	9/20/2012	Treatment of neuroblastoma.	APEIRON Biologics AG
1898					Ability
	sodium 2-hydroxylinoleate	ln/a	8/25/2015	Treatment of neuroblastoma.	Pharmaceuticals, SL
1899	55 S. Sill E Hydroxylliloledec			Treatment of neuroendocrine	M. Sue O'Dorisio, MD,
	90Y-DOTA-tyr3-Octreotide	n/a	1/20/2016		PhD
1900				Treatment of neuroendocrine	Mateon Therapeutics,
	fosbretabulin tromethamine	n/a	12/29/2015	tumors	Inc.
1901					
				Treatment of news and and	RadioIsotope Therapy
	Indium-111 pentetreotide	Neuroendomedix	6/16/2006	Treatment of neuroendocrine	of America (RITA) Foundation
1902	maiam-111 pentetreotide	Neuroenaomeaix	0/10/2006	Treatment of neuroendocrine	Jubilant DraxImage,
1302	iobenguane I 131	ln/a	7/5/2007		Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1903				Treatment of neuroendocrine	Molecular Insight
	lobenguane I 131	Azedra Ultratrace	1/18/2006		Pharmaceuticals
1904				Treatment of neuroendocrine	
	melphalan hydrochloride	n/a	5/22/2009	tumors	Delcath Systems, Inc.
1905					Novartis
				Treatment of neuroendocrine	Pharmaceuticals
	octreotide	Sandostatin Lar	8/5/2010		Corporation
1906	Recombinant human			Treatment of neuroendocrine	
	endostatin protein	n/a	8/13/2001		EntreMed, Inc.
1907				Treatment of neuroendocrine	
	Seneca Valley virus	n/a	8/22/2008	tumors	Neotropix, Inc.
1908					
				Treatment of neurofibromatosis	
	bortezomib	n/a	7/5/2016	type 2 (NF2)	BioXcel Corporation
1909				Treatment of neuroleptic-	
	(R)-N-[2-(6-Chloro-methoxy-1H-			induced tardive dyskinesia in	Phase 2 Discovery,
	indol-3yl)propyl]acetamide	n/a	7/3/2003	schizophrenia patients	Inc.
1910					
				Treatment of neuromyelitis	Alexion
	eculizumab	Soliris	6/24/2013	•	Pharmaceuticals, Inc.
1911				Treatment of neuromyelitis	
				optica and neuromyelitis optica	Chord Therapeutics
	cladribine	n/a	3/19/2015	spectrum disorder	S.a.r.l.
1912	humanized anti-IL-6R receptor			Treatment of neuromyelitis	
	neutralizing IgG2 monoclonal			optica and neuromyelitis optica	Chugai Pharma USA,
	antibody	n/a	6/30/2014	spectrum disorder	LLC
1913				Treatment of neuromyelitis	
				optica and neuromyelitis optica	
	ublituximab	n/a	8/25/2016	spectrum disorder	TG Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1914					
	humanized affinity-optimized,				
	afucosylated immunoglobulin			Treatment of neuromyelitis	
	G1 kappa monoclonal			optica and neuromyelitis optica	
	antibody against CD19	n/a	2/10/2016	spectrum disorders	MedImmune, LLC
1915					
				Treatment of neuronal ceroid	Raptor
	cysteamine	n/a	8/6/2008	lipofuscinoses (Batten disease)	Pharmaceuticals, Inc.
1916	recombinant human				
	tripeptidyl-peptidase 1			Treatment of neuronal ceroid	BioMarin
	(rhTPP1)	n/a	4/1/2013	lipofuscinosis type 2	Pharmaceutical, Inc.
1917					
	L-threonyl-L-prolyl-L-			Treatment of neuropathic pain	Nyxis Neurotherapies,
	threonine	n/a	4/26/2005	associated with spinal cord injury	Inc.
1918	L-pyr-L-glu-L-gln-L-leu-L-glu-L-				
	arg-L-ala-L-leu-L-asn-L-ser-L-			Treatment of neuropathic pain in	Araim
	ser	n/a	9/13/2011	patients with sarcoidosis.	Pharmaceuticals, Inc.
1919	recombinant human nerve			Treatment of neurotrophic	
	growth factor	n/a	6/23/2014	keratitis	Dompe s.p.a.
1920					
				Treatment of neutropenia	
				associated with autologous bone	Maret
	Angiotensin 1-7	n/a	2/16/2000	marrow transplantation.	Pharmaceuticals
1921				Treatment of newly diagnosed	Schering-Plough
	Temozolomide	Temodal	10/18/2004	high grade glioma	Research Institute
1922				Treatment of new-onset type I	
	otelixizumab	n/a	2/6/2006	diabetes mellitus	GlaxoSmithKline
1923	Hydroxy-Propyl-Beta-			Treatment of Niemann Pick	
	Cyclodextrin	Trappsol	5/17/2010	Disease, Type C	Sphingo Biotech, LLC
1924	2-hydroxypropyl-B-			Treatment of Niemann Pick	
	cyclodextrin	Kleptose	2/18/2013	disease, type C.	Vtesse, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1925				Treatment of nodal marginal	
	ibrutinib	Imbruvica	2/5/2015	zone lymphoma	Pharmacyclics, LLC
1926				Treatment of Nodal marginal	
	ublituximab	n/a	9/5/2013	zone lymphoma	TG Therapeutics, Inc.
1927				Treatment of nodal marginal	
	idelalisib	n/a	10/15/2013	zone lymphoma.	Gilead Sciences, Inc.
1928	Melatonin	Circadin	7/9/2004	Treatment of non-24-hour sleep- wake disorder in blind individuals without light perception	Neurim Pharmaceuticals, Ltd.
1929			, .	5 1 1	,
	ciprofloxacin dry powder			Treatment of non-cystic fibrosis	Bayer HealthCare
	inhaler	n/a	4/17/2014	bronchiectasis	Pharmaceuticals, Inc.
1930					University of
				Treatment of nondystrophic	Rochester Medical
	mexiletine	n/a	9/2/2010	myotonia	Center
1931	Fibronectin (human plasma derived)	n/a	9/5/1988	Treatment of non-healing corneal ulcers or epithelial defects which have been unresponsive to conventional therapy and the underlying cause has been eliminated.	Melville Biologics, Inc.
1932				Treatment of non-Hodgkin's	
	epratuzumab	Lymphocide	7/13/1998	lymphoma	Immunomedics, Inc.
1933				Treatment of noninfected painful	
	sodium ascorbate and			total joint without mechanical	IC-MedTech
	menadione sodium bisulfite	Apatone	4/9/2015	complication	Corporation
1934				Treatment of non-infectious	
				intermediate, posterior or pan	
				uveitis, or chronic non-infectious	
	gevokizumab	n/a	8/20/2012	anterior uveitis	XOMA (US) LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1935				Treatment of non-life	
				threatening, mild to severe	
				bleeding episodes due to	
				cutaneous injuries or dental	
	Microvesiculated modified			procedures in hemophiliac	Thrombotargets
	glycosylated tissue factor	n/a	1/25/2007		Corp.
1936				Treatment of non-life	
				threatening, mild to severe	
				bleeding episodes due to	
				cutaneous injuries or dental	
	Microvesiculated modified			procedures in patients with von	Thrombotargets
	glycosylated tissue factor	n/a	10/11/2007	Willebrand disease.	Corp.
1937					
				Treatment of	
	Idoxuridine	n/a	4/8/1996	nonparenchymatous sarcomas.	NeoPharm, Inc.
1938					
				Treatment of non-small cell lung	
				cancer and mutations in the	
	rociletinib	n/a	5/14/2013	epidermal growth factor receptor	
1939					Orphan Synergy
	10 synthetic peptides targeting			cancer in patients expressing HLA-	
	5 tumor asociated antigens	n/a	1/23/2013		Pharma)
1940				Treatment of non-small cell lung	
				cancer with EGFR, HER2, HER4,	
	dacomitinib	n/a	3/3/2015	or DDR2 mutations.	Pfizer, Inc.
1941				Treatment of non-small cell lung	Cadila
	heat killed mycobacterium w			cancers that express desmocollin-	
	immunomodulator	Cadi-Mw	7/31/2012	3	Limited
1942					
				Treatment of non-tuberculous	Aquarius
	encochleated amikacin	n/a	3/3/2016	mycobacteria (NTM) infections	Biotechnologies, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1943	2-[(4S)-6-(4-chlorophenyl)- 1,7,8-trimethylthiophenol[3,2- f]1,2,4-triazolo[4,3-a]1,4- diazepin-4-yl]-N-[3-(4- methylpiperazinyl)propyl]acet			Treatment of nuclear protein in	Genentech, Inc (a Roche Group
1011	amide	n/a	9/29/2015	testis (NUT) midline carcinoma.	Member)
1944	Betahistine dihydrochloride	n/a	11/8/2007	Treatment of obesity associated with Prader Willi syndrome	Floyd R. Sallee, M.D., Ph.D.
1945	sarcosine	n/a	10/12/2011	Treatment of obsessive compulsive disorder in pediatric patients (0 to 16 years of age)	Guochuan Emil Tsai, MD, PhD
1946	trehalose	Cabaletta		Treatment of occulopharyngeal muscular dystrophy	BioBlast Pharma, Ltd.
1947	Autologous or allogeneic limbal epithelial stem cells expanded ex vivo on human amniotic membrane	n/a	7/14/2005	Treatment of ocular surface diseases that are characterized by total limbal stem cell deficiency	TissueTech, Inc.
1948	C66H100N6O27	n/a	3/11/2013	Treatment of of hepatocellular carcinoma	GenSpera, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1949				Treatment of oligoarticular	
				juvenile idiopathic arthritis (persistent oligoarthritis,	
				psoriatic juvenile idiopathic	
				arthritis, enthesitis-related	
				arthritis, or undifferentiated arthritis) and polyarticular	
				juvenile idiopathic arthritis in	
				children 0 through 16 years of	Silvergate
	methotrexate oral solution	n/a	8/27/2015	age	Pharmaeuticals, Inc.
1950				Treatment of onchocerciasis	Janssen Research &
	flubendazole	n/a	10/25/2013	caused by Onchocerca volvulus	Development, LLC
1951					,
			0/00/00	Treatment of onchocerciasis	Medicines
1952	moxidectin	n/a	9/29/2010	volvulus in children and adults.	Development Limited
1332					
	N-(2-amino-2-oxoethyl)-2-(2-				
	((4-fluorophenethyl)amino)-N-				
	isobutylacetamido)-N-(3-(2-oxopyrrolidin-1-				
	yl)propyl)acetamide N-				
	({Carbamoylmethyl-[3-(2-oxo-				
	pyrrolidin-1-yl)propyl}-				
	carbamoyl}-methyl)-2-[2-(2-fluorophenyl)-ethylamino]-N-				
	isobutyl-acetamide	n/a	11/17/2014	Treatment of optic neuritis	Bionure Farma SL
1953	,				
				Treatment of oral complications	
	Sucralfate suspension	n/a	2/12/1000	of chemotherapy in bone marrow transplant patients.	Darby Pharmaceuticals, Inc.
	Sucranate suspension	II/ a	3/12/1990	marrow transplant patients.	r Hai Haceuticais, IIIC.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1954				Treatment of oral drug	
				overdosage to speed lower	
	Cascara sagrada fluid extract	n/a	3/21/1989	bowel evacuation.	Intramed Corporation
1955					
				Treatment of oral manifestations	
	Azathioprine	Imuran	9/14/1999	of graft-versus-host disease.	Oral Solutions, Inc.
1956				Treatment of oral ulcerations and	
				dysphagia in patients with	Darby
	Sucralfate suspension	n/a	3/4/1991	epidermolysis bullosa.	Pharmaceuticals, Inc.
1957					
	carglumic acid	Carbaglu	6/17/2014	Treatment of organic acidemias	Orphan Europe SARL
1958					
	recombinant adeno-associated				
	virus serotype AAV8 vector				
	encoding human ornithine			Treatment of ornithine	Dimension
	transcarbamylase	n/a	12/29/2015	transcarbamylase deficiency	Therapeutics
1959				Treatment of orthopoxvirus	SIGA Technologies,
	tecovirimat	n/a	9/29/2010	infections.	Inc.
1960					
	recombinant human platelet			Treatment of osteochondritis	Biomimetic
	derived growth factor-BB	n/a	8/6/2010	dissecans	Therapeutics, Inc.
1961	human allogeneic bone				
	marrow derived osteoblastic			Treatment of osteogenesis	
	cells	n/a	11/9/2015	imperfecta.	Bone Therapeutics SA
1962					
	human monoclonal antibody			Treatment of osteogenesis	Mereo Biopharma 3
	targeting human sclerostin	n/a	2/29/2016	imperfecta.	Limited
1963					Chemokine
				Treatment of osteogenic	Therapeutics
	SDF-1 (108) Lysine Dlmer	n/a	7/7/2005	sarcoma	Corporation

human allogeneic bone marrow derived osteoblastic cells Allob 1/10/2014 Treatment of osteonecrosis Bone Therapeutics SA 1965 Human autologous bone-forming cell derived from bone marrow stem cells Recombinant human platelet derived growth factor BB 1967 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 1969 Millennium Pharmaceuticals LLC 1969 Millennium Millennium Millennium Memorial Sloan-Kettering Cancer Center Treatment of osteosarcoma 1970 Memorial Sloan-Kettering Cancer Center Treatment of osteosarcoma 1971 5(5)-{2'-hydroxy ethoxy}-20(S)-Camptothecin 1972 Liposomal N-Acetylglucosminyl-N-Acetylmuramily-L-Ala-D-isoGin-L-Ala - geographic and production in the second of the production o	Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
cells Allob 1/10/2014 Treatment of osteonecrosis Bone Therapeutics SA Human autologous bone- forming cell derived from bone marrow stem cells n/a 3/24/2008 Treatment of osteonecrosis S.A. 1966 Recombinant human platelet derived growth factor BB n/a 2/1/2007 the jaws Luitpold Pharmaceuticals, Inc. 1967 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 Milannium mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Memorial Sloan- Kettering Cancer Center 1971 5(5)-(2'-hydroxy ethoxy)-20(5)- Camptothecin n/a 6/15/2007 (bone cancer) 1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGin-L-Ala -	1964	_				
1965				. / /		
forming cell derived from bone marrow stem cells 1966 Recombinant human platelet derived growth factor BB 1967 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 1969 mifamuritide 1970 monoclonal antibody Hu3F8 1971 1972 Liposomal N-Acetylglucosminyl-N-Acetylglucosminy	1005		Allob	1/10/2014	Treatment of osteonecrosis	Bone Therapeutics SA
marrow stem cells n/a 3/24/2008 Treatment of osteonecrosis S.A. 1966 Recombinant human platelet derived growth factor BB n/a 2/1/2007 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis of the jaws Aastrom Biosciences, Inc. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Eleison Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. Memorial Sloan-Kettering Cancer Center 1971 S(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 1/10/2014 Treatment of osteosarcoma Center Dr. Reddy's Laboratories, Inc. 1972 Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -	1965	<u> </u>				Pono Thorangutics
Recombinant human platelet derived growth factor BB n/a 2/1/2007 Treatment of osteonecrosis of Treatment of osteonecrosis of the jaws Luitpold Pharmaceuticals, Inc. 1967 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. Inc. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Eleison Pharmaceuticals LLC 1969 Millennium Pharmaceuticals, Inc. 1970 Memorial Sloan-Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 Treatment of osteosarcoma Dr. Reddy's Laboratories, Inc. 1972 Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala - 1974 Source Sou		- C	n/a	3/24/2008	Treatment of osteonecrosis	•
Recombinant human platelet derived growth factor BB n/a 2/1/2007 Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. Inc. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Memorial Sloan-Kettering Cancer Center 1970 monoclonal antibody Hu3F8 n/a 1/10/2014 Treatment of osteosarcoma Center 1971 5(5)-(2'-hydroxy ethoxy)-20(5)-Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -	1966	marrow stem cens	11/4	3/24/2000	Treatment of osteoneerosis	J.A.
derived growth factor BB	1300	Recombinant human platelet			Treatment of osteonecrosis of	Luitpold
Tissue repair cells obtained from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. Inc. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. 1970 monoclonal antibody Hu3F8 1/10/2014 Treatment of osteosarcoma Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGlin-L-Ala -		•	n/a	2/1/2007	the jaws	•
from autologous bone marrow expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. 1970 monoclonal antibody Hu3F8 n/a 1/10/2014 Treatment of osteosarcoma Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -	1967					
expanded ex vivo with a cell production system n/a 3/13/2006 Treatment of osteonecrosis. 1968 Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Pharmaceuticals, Inc. 1970 monoclonal antibody Hu3F8 1/10/2014 Treatment of osteosarcoma Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -		· ·				
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Cisplatin in liposomal formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC 1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. Memorial Sloan- Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin 1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1000	production system	n/a	3/13/2006	Treatment of osteonecrosis.	Inc.
formulation Slit Cisplatin For Inhalation 3/20/2007 Treatment of osteosarcoma Pharmaceuticals LLC Millennium Pharmaceuticals, Inc. Memorial Sloan- Kettering Cancer Center Treatment of osteosarcoma S(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin 1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1968	Ciculatin in linesemal				Floison
1969 mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. 1970 Memorial Sloan-Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -			Slit Cisplatin For Inhalation	3/20/2007	Treatment of osteosarcoma	
mifamuritide Junovan 6/5/2001 Treatment of osteosarcoma Millennium Pharmaceuticals, Inc. Memorial Sloan- Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin 1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1969	Torridacion	Site displacing for initial action	3/20/2007	Treatment of osteosarcoma	T Harmaceuticuls EEC
1970 Memorial Sloan-Kettering Cancer Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)-Camptothecin n/a 6/15/2007 Treatment of osteosarcoma Dr. Reddy's Laboratories, Inc. 1972 Liposomal N-Acetylglucosminyl-N-Acetylmuramly-L-Ala-D-isoGln-L-Ala -	2555					Millennium
monoclonal antibody Hu3F8 n/a 1/10/2014 Treatment of osteosarcoma Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -		mifamuritide	Junovan	6/5/2001	Treatment of osteosarcoma	Pharmaceuticals, Inc.
monoclonal antibody Hu3F8 n/a 1/10/2014 Treatment of osteosarcoma Center 1971 5(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin n/a 6/15/2007 (bone cancer) Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1970					Memorial Sloan-
1971 5(S)-(2'-hydroxy ethoxy)-20(S)- Camptothecin 1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -						Kettering Cancer
Camptothecin n/a 6/15/2007 (bone cancer) Laboratories, Inc. Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -			n/a	1/10/2014		
1972 Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1971					•
Liposomal N-Acetylglucosminyl- N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -		Camptothecin	n/a	6/15/2007	(bone cancer)	Laboratories, Inc.
N-Acetylmuramly-L-Ala-D- isoGln-L-Ala -	1972					
isoGln-L-Ala -		, , , , , , , , , , , , , , , , , , , ,				
T PVICEOUQUAIUUOVI IIIIIIIIIPI I D/ IU/ 1996I I PAIIIPIII OI OSIEOSAICOIDA TEDDOCEX COM		gylcerolidpalmitoyl	Immther	6/10/1998	Treatment of osteosarcoma.	Endorex Corp.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1973					
	live attenuated bioengineered				
	Listeria monocytogenes				
	immunotherapy	n/a	5/21/2014	Treatment of osteosarcoma.	Advaxis, Inc.
1974					Epeius
	NA - 1. C4	D. 1. C	6/24/2000	T	Biotechnologies
		Rexin-G	6/24/2008	Treatment of osteosarcoma.	Corporation
	(5S,8S, 10aR)-N-benzhydryl-5-				
	((S)-2- (methylamino)propanamido)-3-				
	(3-methylbutanoyl)-6-				
	oxodecahydropyrrolo[1,2-				
	a][1,5] diazocine-8-				DebioPharm
	carboxyamide	n/a	4/14/2016	Treatment of ovarian cancer	International SA
1976	carsoxyannac	117 4	1/11/2010	Treatment of ovarian cancer	meemational 57
	20-mer oligonucleotide				
	-	n/a	12/1/2004	Treatment of ovarian cancer	Rexahn Corporation
1977	,				·
	Ad5/3-D24-granulocyte-				
	macrophage colony				
	stimulating factor (GMCSF)-				
	encoding oncolytic adenovirus	n/a	3/17/2014	Treatment of ovarian cancer	Oncos Therapeutics
1978	AEZS-108 (LHRH-agonist linked				
	to doxorubicin)	n/a		Treatment of ovarian cancer	Aeterna Zentaris
	aldoxorubicin	n/a	9/24/2014	Treatment of ovarian cancer	CytRx Corporation
1980					Advenchen
	·	n/a	12/31/2015	Treatment of ovarian cancer	Laboratories, LLC
1981	anti-Beta1 integrin monoclonal				
	antibody	n/a	1/13/2015	Treatment of ovarian cancer	OncoSynergy, Inc.
1982			- 1 - 1 - c · -	<u>_</u>	
	anti-HER2 bispecific antibody	n/a	5/18/2016	Treatment of ovarian cancer	Zymeworks Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1983	anti-HER2 bispecific antibody				
	drug conjugate	n/a	7/6/2016	Treatment of ovarian cancer	Zymeworks Inc.
1984	bi-shRNAfurin and granulocyte				
	macrophage colony				
	stimulating factor augmented autologus tumor cell vaccine	Fang	4/19/2011	Treatment of ovarian cancer	Gradalis, Inc.
1985	autologus tullioi celi vaccilie	i diig	4/10/2011	Treatment of ovarian cancer	Oracialis, inc.
1965	binimetinib	n/a		Treatment of ovarian cancer	Array Biopharma, Inc.
1986	cantrixil	n/a	4/20/2015	Treatment of ovarian cancer	CanTx, Inc.
1987					Neoviibiotech North
	Catumaxomab	Removab	6/9/2006	Treatment of ovarian cancer	America, Inc.
1988					
	chimeric monoclonal antibody				Ganymed
	against Claudin 6	n/a	3/18/2013	Treatment of ovarian cancer	Pharmaceuticals AG
1989					Mateon Therapeutics,
	Combretastatin A4 phosphate	n/a	5/8/2006	Treatment of ovarian cancer	Inc.
1990	DCVAC OvCa	n/a		Treatment of ovarian cancer	SOTIOS a.s.
1991	defactinib	n/a		Treatment of ovarian cancer	Verastem, Inc.
1992	digitoxin	n/a	11/2/2001	Treatment of ovarian cancer	SimRx Advisors LLC
1993	DNA plasmid expressing				
	diphtheria toxin triggered by				
	the presence of oncofetal gen		0/00/000		BioCancell
		n/a		Treatment of ovarian cancer	Therapeutics Ltd.
1994	farletuzumab	n/a	6/16/2006	Treatment of ovarian cancer	Morphotek, Inc.
1995					Sun Pharmaceutical
	gemcitabine ready-to-use	n/a	6/24/2015	Treatment of ovarian cancer	Industries Ltd.
1996	human MHC non-restricted	1.7.	5, 2 ., 2013		
	cytotoxic T-cell line	n/a	7/6/2012	Treatment of ovarian cancer	Galileo Research srl

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
1997					
	Human monoclonal antibody				
	targeting CC-chemokine ligand	,	. /		
1000	2 (CNTO 888)	n/a	4/30/2010	Treatment of ovarian cancer	Ortho Biotech
1998					Eleison
	Liposomal cisplatin	Lipova-Pt	5/22/2006	Treatment of ovarian cancer	Pharmaceuticals LLC
1999	liposomal encapsulated	Lipova-r t	3/23/2000	Treatment of ovarian cancer	Insys Therapeutics,
1333	paclitaxel	n/a	1/21/2015	Treatment of ovarian cancer	Inc.
2000	pacificance	117 G	1,21,2013	Treatment of orange cancer	
	Iurbinectedin	n/a	8/20/2012	Treatment of ovarian cancer	PharmaMar USA, Inc.
2001	maytansinoid conjugated				
	humanized monoclonal				
	antibody against FOLRI	n/a	7/14/2014	Treatment of ovarian cancer	ImmunoGen, Inc.
2002	mibefradil	n/a	6/15/2007	Treatment of ovarian cancer	Cavion, LLC
2003					
	N-(4-{3-(2-aminopyrimidin-4-				
	yl)pyridin-2-yl]oxy}phenyl)-4-(4-				
	methylthiophen-2-				
	yl)phthalazin-1-amine bis-				
	mesylate dihydrate	n/a		Treatment of ovarian cancer	Amgen, Inc.
2004	nanoparticulate paclitaxel	Nanotax		Treatment of ovarian cancer	NanOlogy, LLC
	niraparib	n/a	4/30/2010	Treatment of ovarian cancer	TESARO, Inc.
2006		/a	0/24/2004	T	Implicit Bioscience
2007	oglufanide disodium	n/a	9/24/2001	Treatment of ovarian cancer	Pty Ltd
2007	naciitaval micallar	Dactical	4/2/2000	Treatment of avarian carses	Oasmia Pharmacoutical AB
2008	paclitaxel, micellar	Paclical	4/3/2009	Treatment of ovarian cancer	Pharmaceutical AB Oncolytics Biotech,
2008	pelareorep	Reolysin(R)	2/10/2015	Treatment of ovarian cancer	Inc.
2009	pertuzumab	n/a		Treatment of ovarian cancer	Genentech, Inc.
2010	Percuzumus	ii, u	0/0/2009	Treatment of ovarian cancer	Genericen, inc.
2010	prolactin receptor antagonist	Prolanta	4/15/2013	Treatment of ovarian cancer	Oncolix, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2011	Protaxel	n/a	5/21/2003	Treatment of ovarian cancer	Biophysica, Inc.
2012					Onconova
	rigosertib	n/a	3/16/2012	Treatment of ovarian cancer	Therapeutics, Inc.
2013					
	rucaparib	n/a	7/31/2012	Treatment of ovarian cancer	Clovis Oncology, Inc.
2014					
	small molecule normalizing the				Critical Outcome
	p53 function	n/a	6/12/2014	Treatment of ovarian cancer	Technologies, Inc.
2015	Sperm Protein-17 oral				
	microparticle vaccine	n/a	6/21/2016	Treatment of ovarian cancer	Kiromic, LLC
2016					Cellceutix
	thioureidobutyronitrile	Kevetrin	7/14/2015	Treatment of ovarian cancer	Corporation
2017	trebananib	n/a	8/30/2013	Treatment of ovarian cancer	Amgen, Inc.
2018	vintafolide	n/a	12/16/2013	Treatment of ovarian cancer	Endocyte, Inc.
2019	{2-amino-8-[4- (pyrrolidinylcarbonyl)phenyl](3 H-benzo[f]azepin-4-yl)}-N,N- dipropycarboxamide	n/a	4/10/2014	Treatment of ovarian cancer	VentiRx Pharmaceuticals, Inc.
2020	squalamine lactate	n/a	5/11/2001	Treatment of ovarian cancer refractory or resistant to standard chemotherapy	Genaera Corporation
2021	squararrille factate	ii) a	3/11/2001	standard chemotherapy	Genaera Corporation
2021	1,2:5,6-dianhydrogalactitol	n/a	4/19/2016	Treatment of ovarian cancer.	DelMar Pharmaceuticals, Inc. (Clinical Operations)
2022	2-{3-[(3R)-3-({[2-chloro-3- (trifluoromethyl)phenyl]methy l}{2,2- diphenylethyl)amino)butoxy]p henyl}acetic acid	n/a	6/16/2015	Treatment of ovarian cancer.	Rgenix, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2023	8-[4-(1-				
	aminocyclobutyl)phenyl]-9-				
	phenyl-1,2,4-triazolo[3,4-				
	f][1,6]naph-thyrin-3(2H)-one				Merck Sharp &
	mono-hydrochloride	n/a	9/3/2009	Treatment of ovarian cancer.	Dohme Corp.
2024	Autologous dendritic cells				
	pulsed with recombinant				
	human fusion protein (mucin1-				
	glutathione S transferase)				
	coupled to oxidized	O (T)	0/40/2040		
2025	polymannose	Cvac(Tm)	9/13/2010	Treatment of ovarian cancer.	Prima Biomed Ltd.
2025	shalmah y ar shalamusah V	Oncorad Ov103	4/24/1000	Treatment of ovarian cancer.	Cytogen Corporation
2026	chelmab-y or chelamusab-Y	Olicorad Ovios	4/24/1990	Treatment of ovarian cancer.	Cytogen Corporation
2020	DNA plasmid vector expressing				
	human IL-12 gene	n/a	4/4/2005	Treatment of ovarian cancer.	Celsion Corporation
2027	naman iz 12 gene	117 G	1, 1, 2003	Treatment of ovarian earlier.	Immunovaccine
2027	DPX-Survivac	n/a	7/14/2015	Treatment of ovarian cancer.	Technologies, Inc.
2028		,	77 = 17 = 0 = 0		r comiciogico, moi
	etirinotecan pegol	n/a	4/18/2011	Treatment of ovarian cancer.	Nektar Therapeutics
2029	human soluble receptor-Fc				
	fusion protein that targets				
	human activin A	n/a	10/14/2015	Treatment of ovarian cancer.	Atara Biotherapeutics
2030					AmpliMed
	imexon	Amplimexon	8/12/2005	Treatment of ovarian cancer.	Corporation
2031					Corcept Therapeutics,
	mifepristone	Korlym	1/14/2016	Treatment of ovarian cancer.	Inc.
2032					
	multi-epitope folate receptor				
	alpha peptide vaccine with GM-				
	CSF adjuvant (TPIV200)	n/a	12/7/2015	Treatment of ovarian cancer.	Tapimmune, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2033					
	N-[4-(trifluoromethyl)phenyl]-				
	5-methylisoxazole-4-				
	carboxamide	n/a	3/12/1996	Treatment of ovarian cancer.	Sugen, Inc.
2034					
	Nanocomplex consisting of a				
	small interfering RNA that				
	targets the human EV11				
	oncogenic transcription factor and an elastin-like polypeptide				
	drug carrier.	n/a	E /22 /2016	Treatment of ovarian cancer.	PeptiMed
2035	Oxaliplatin	n/a		Treatment of ovarian cancer.	Debio Pharm S.A.
2036	Oxampiatin	ii) a	10/0/1332	Treatment of ovarian cancer.	Novartis
2030					Pharmaceuticals
	pazopanib	n/a	5/6/2013	Treatment of ovarian cancer.	Corp.
2037		,			'
	poly-CD-PEG-camptothecin	n/a	5/21/2015	Treatment of ovarian cancer.	Cerulean Pharma, Inc.
2038					
	Synthesized peptide of the L-				
	amino acids with the sequence				
	H-Lys-Glu-Phe-Leu-His-Pro-Ser-				Soricimed Biopharma
	Lys-Val-Asp-Leu-Pro-Arg-OH	n/a	, ,	Treatment of ovarian cancer.	Inc.
2039	Treosulfan	Ovastat	5/16/1994	Treatment of ovarian cancer.	Medac GmbH
2040					
	2-(2-phenylvinyl)-4-[4-				
	methylpiperazin-l-yl)]-6-(5-				
	methyl-2H-pyrazol-3-ylamino)-	n/2	2/19/2000	Treatment of ovarian carcinoma	EntreMed, Inc.
2041	pyrimidine L(+) tartrate salt Yttrium-90 radiolabeled	n/a	3/16/2009	Treatment of ovarian carcinoffia	LITTI EIVIEU, IIIC.
2041	humanized monoclonal anti-				
	carcinoembroyonic antigen				
	IgG antibody	Cea-Cide	8/3/1999	Treatment of ovarian carcinoma.	Immunomedics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2042					
	sdTD-K6a.513a.12; small				
	interfering RNA composed of 2			Treatment of pachyonychia	
	strands of hybridized RNAs	n/a	4/15/2013	congenita	TransDerm, Inc.
2043				Treatment of pachyonychia	
	sirolimus	n/a	3/18/2013	congenita	TransDerm, Inc.
2044				Treatment of pachyonychia	
	TD-K6a.513a.12	Reveker	6/15/2006	congenita	TransDerm, Inc.
2045				treatment of pain associated	Grace Therapeutics,
	bupivacaine hydrochloride	n/a	5/31/2016	with postherpetic neuralgia.	LLC
2046				Treatment of painful HIV-	
	Alfentanil	n/a	8/9/2005	associated neuropathy	Cinergen, LLC
2047				Treatment of painful HIV-	Acorda Therapeutics,
	capsaicin	Qutenza	5/2/2003	associated neuropathy	Inc.
2048				Treatment of painful HIV-	Relmada
	mepivacaine	n/a	10/18/2006	associated neuropathy	Therapeutics, Inc.
2049				Treatment of painful HIV-	TheraQuest
	Tramadol hydrochloride	n/a	1/28/2005	associated neuropathy	Biosciences, LLC
2050					
				Treatment of palmar-plantar	Cancer Technologies,
	Dimethylsulfoxide	n/a	4/6/1998	erythrodysethesia syndrome.	Inc.
2051	(1-methyl-2-nitro-1H-				
	imidazole-5-yl)methyl N,N'-				
	bis(2-broethyl)				
	diamidophosphate	n/a	6/5/2013	Treatment of pancreatic cancer	EMD Serono
2052	(3,5-Bis trifluoromethyl)-N-[4-				
	methyl-3-(4-pyridin-3yl-				
	pyrimidin-2-yl amino) phenyl]				NATCO Pharma
	benzamide	n/a	3/18/2011	Treatment of pancreatic cancer	Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2053					
	12-A-p21 RAS(5-21). 12-C-p21				
	RAS(5-21). 12-D-p21 RAS(5-				
	21). 12-Rp21 RAS(5-21). 12-S-				
	p21 RAS(5-21). 12-V-p21 RAS(5-		- t- t		
	21). 13-D-p21 RAS(5-21)	n/a	6/7/2011	Treatment of pancreatic cancer	Oncos Therapeutics
2054	2 /2 /4 /7 /				
	2-(3-(4-(7H-pyrrolo[2,3-				
	d]pyrimidin-4-yl)-1H-pyrazol-l-				
	yl)-1-(1-(3-fluoro-2-				
	(trifluoromethyl)isonicotinoyl) piperidin-4-yl)azetidin-3-				
	yl)acetonitrile adipate	n/a	1/26/2015	Treatment of pancreatic cancer	Incyte Corporation
2055	yrjacetoriitiile adipate	ii, a	1/20/2013	Treatment of pancieatic cancer	incyce corporation
	20-mer oligonucleotide				
		n/a	12/8/2004	Treatment of pancreatic cancer	Rexahn Corporation
2056	,			·	·
	3-bromopyruvate	n/a	4/29/2014	Treatment of pancreatic cancer	PreScience Labs, LLC
2057					
	5,5',5"-[Phosphinothioylidyne-				
	tris(imino-2,1-				
	ethanediyl)]tris[5-				
	methylchelidoninium]trihydroi				
	de hexahydrochloride	n/a	8/20/2003	Treatment of pancreatic cancer	Now Pharm AG
2058					
	6,8-bis-benzylsulfanyl-octanoic	,			Cornerstone
0677	acid	n/a	2/6/2006	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2059	OOV L DANAA	D C'. I.	4 /20 /2004	T	1
	90Y-hPAMA4	Pan-Cide	1/29/2004	Treatment of pancreatic cancer	Immunomedics, Inc.

2000		Trade Name	Designation Date	Designation	Contact Company/Sponsor
2060					
	Allogeneic peripheral blood				
	mononuclear cells sensitized				Applied
	against patient alloantigens by			_	Immunotherapeutics,
	mixed lymphocyte culture	Cytoimplant	6/13/1997	Treatment of pancreatic cancer	LLC
	anti-STAT3 (Signal Transducer				
	and Activator of Transcription				C'arla B'atarla da a
	3) B VHH13 single domain	la	0/20/2016	Tuestine and of management a second	Singh Biotechnology,
	antibody	n/a	8/29/2016	Treatment of pancreatic cancer	LLC
2062					Golden Biotechnology
	antroquinonol	n/a	1/21/2015	Treatment of pancreatic cancer	Corp.
2063	antioquinonoi	iiy a	1/21/2013	Treatment of pancreatic cancer	Corp.
2003					Reata
	Bardoxolone	n/a	8/6/2008	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2064					
	bevacizumab	Avastin	10/20/2004	Treatment of pancreatic cancer	Genentech, Inc.
2065					
	carlumab	n/a	10/24/2006	Treatment of pancreatic cancer	Centocor, Inc.
	chimeric monoclonal antibody				
	against claudin-18 splice				Ganymed
	variant 2	n/a	9/26/2013	Treatment of pancreatic cancer	Pharmaceuticals AG
	Chimeric monoclonal antibody	,	/ /		
	to mesothelin	n/a	10/31/2006	Treatment of pancreatic cancer	Morphotek, Inc.
2068					ComE A I/A a m
	ahla ya wa wa wa in s	n /n	40/22/2040	Treatment of more resting and the	CurFAKtor
	chloropyramine	n/a	10/22/2010	Treatment of pancreatic cancer	Pharmaceuticals, LLC
2069					Raptor
	cysteamine	n/a	0/11/2012	Treatment of pancreatic cancer	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2070					
		,	4/20/2044		OncoMed
2071	demcizumab double stranded RNA which	n/a	4/30/2014	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2071	targets the mutated KRAS				
	oncogene	n/a	1/26/2015	Treatment of pancreatic cancer	Silenseed Ltd
2072		,		·	
	Double-stranded DNA plasmid				BioCancell
	carrying the gene for the				Therapeutics Israel
	diphtheria toxin A (DT-A) chain	n/a	8/6/2010	Treatment of pancreatic cancer	Ltd.
2073	Gastrin 17C Diphtheria Toxoid	. /-	7/7/2000		A -1 -2 11 -1
2074	Immunogen	n/a	////2009	Treatment of pancreatic cancer	Astrimmune Ltd.
2074					Sun Pharmaceutical
	gemcitabine ready-to-use	n/a	6/24/2015	Treatment of pancreatic cancer	Industries Ltd.
2075	Bernottanie ready to dec	,	3/2://2023		
	heat killed whole cell				Immodulon
	mycobacterium obuense	n/a	9/23/2014	Treatment of pancreatic cancer	Therapeutics Limited
2076					
				_	Momenta
2077	heparan sulfate mimetic	n/a	5/29/2014	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2077	hornos simploy tuno 1 virus				
	herpes simplex type 1 virus containing cellular B-myb gene				
	as tumor-specific promoter	n/a	12/23/2014	Treatment of pancreatic cancer	Karcinolys S.A.S.
2078	The specific promoter				
	Human telomerase reverse				
	transcriptase peptide vaccine	n/a	7/20/2006	Treatment of pancreatic cancer	GemVax A/S

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2079					
	human trtravalent, bi-specific				
	monoclonal antibody that				
	binds and co-inhibits two				
	growth factor receptors;				
	insulin-like growth factor				
	receptor 1 (IGF-1R) and v-erb-				
	b2 avian erythroblastic				
	leukemia viral oncogene		40/00/004		Merrimack
2000	homolog 3 (ErbB3)	n/a	10/22/2014	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2080	lists via second a second	/ -	0/5/2012	T	Advisa Dia Taributan
2081	listeria monocytogenes LOAd703, a modified	n/a	9/5/2013	Treatment of pancreatic cancer	Aduro BioTech, Inc.
2081	adenovirus 5/35 containing a				
	CMV promoter-driven				
	transgene cassette with the				
	human transgenes for a				
	membrane-bound CD40 ligand				
	(TMZ-CD40L) and full length 4-				
	1BBL	n/a	5/4/2015	Treatment of pancreatic cancer	Lokon Pharma AB
2082	TBBC	Πγα	3/4/2013	Treatment of pancieatic cancer	LOKOITT Hattila AD
2002					
	metavert, N-hydroxy-4-(5-((4-				
	methoxyphenyl)amino)-1,3,4-				Avenzoar
	'' '	n/a	7/6/2016	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
2083	ONGGIGEOT E JIJOCHEGHING		7,0,2010	Treatment of panercule current	Minneamrita
_300	Minnelide	Minnelide (Tm)	2/18/2013	Treatment of pancreatic cancer	Therapeutics, LLC
2084	.0.13.0		_,,	and the particular carries	Epeius
	Mx-dnG1 or Rexin-G retroviral				Biotechnologies
	vector	Rexin-G	8/15/2003	Treatment of pancreatic cancer	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2085					
	N-[(2S)-2,3-dihydroxypropyl]-3- [(2-fluoro-4- iodophenyl)amino]				
	isonicotinamide hydrochloride	n/a	1/29/2010	Treatment of pancreatic cancer	EMD Serono, Inc.
2086	N1,N14,-diethyl-3,12,- dihydroxyhomospermine	n/a		Treatment of pancreatic cancer	Sun BioPharma, Inc.
2087	nano-diamino- tetraiodothyroacetic acid	n/a	10/28/2015	Treatment of pancreatic cancer	NanoPharmaceuticals , LLC
2088	Nucleic acid aptamer binding to tumor cell nucleolin	n/a	8/17/2004	Treatment of pancreatic cancer	Antisoma Research Ltd.
2089	paclitaxel	n/a		Treatment of pancreatic cancer	SynCore Biotechnology Co., Ltd.
2090	paclitaxel nanoparticles	n/a		Treatment of pancreatic cancer	CIRJ Co., Ltd.
2091	PEGylated recombinant human hyaluronidase PH20	n/a		Treatment of pancreatic cancer	Halozyme Therapeutics, Inc.
2092	Pegylated recombinant human interleukin-10	n/a	7/18/2016	Treatment of pancreatic cancer	ARMO BioSciences, Inc.
2093	pelareorep	Reolysin(R)	2/11/2015	Treatment of pancreatic cancer	Oncolytics Biotech, Inc.
2094	ruxolitinib	Jakafi	8/16/2013	Treatment of pancreatic cancer	Incyte Corporation
2095	S-[2,3-bispalmitoyloxy-(2R)- propyl]-cysteinly- GNNDESNISFKEK	n/a	10/20/2009	Treatment of pancreatic cancer	MBiotec GmBH
2096				·	OncoMed
	tarextumab	n/a	1/26/2015	Treatment of pancreatic cancer	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2097	Targeted Gastrin 17				
	Complexed Peptide	n/a	5/14/2014	Treatment of pancreatic cancer	Tyg Oncology Ltd
2098	[5-Amino-1-(4-fluoro-phenyl)-				
	1H-pyrazol-4-yl]-[3-(2,3-				
	dihydroxy-propoxy)-phenyl]-			_	
	methanone	n/a	10/20/2014	Treatment of pancreatic cancer	Synovo GmbH
2099					
	[met5]-enkephalin	Opioid Growth Factor	1/24/2013	Treatment of pancreatic cancer	TNI BioTech, Inc.
2100					
	cytochrome P450 isoform 2B1				
	gene transfected human				
	embryonic kidney 293 cells			Tuestine and of managedia as asset	
	encapsulated in polymeric	n/o	12/17/2014	Treatment of pancreatic cancer	Nunday Inc
2101	cellulose sulphate 4-amino-1-[(1S,4R,5S)-2-fluoro-	n/a	12/17/2014	in combination with ifosfamide	Nuvilex, Inc.
2101	4,5-dihydroxy-3-				
	(hydroxymethyl) cyclopent-2-				Rexahn
	en-1-yl] pyrimidin-2-one	n/a	9/23/2014	Treatment of pancreatic cancer.	Pharmaceuticals, Inc.
2102	4-pyridinylmethyl 3(4-	ii) u	3/23/2014	Treatment of panercatic cancer.	Apogee
2102	chlorophenyl)adamantine				Biotechnology
	carboxamide	n/a	11/2/2010	Treatment of pancreatic cancer.	Corporation
2103		·	, , , , , , , , ,		
	9-nitro-20-(S)-camptothecin	n/a	9/16/1996	Treatment of pancreatic cancer.	SuperGen, Inc.
2104	, , ,	Hyperacute(R)-Pancreatic		·	NewLink Genetics
	algenpantucel-L	Cance	10/21/2010	Treatment of pancreatic cancer.	Corporation
2105					
	Bleomycin	n/a	12/20/2010	Treatment of pancreatic cancer.	CIRJ Company Ltd.
2106					
	Bleomycin	Blenoxane	2/9/1999	Treatment of pancreatic cancer.	Genetronics, Inc.
2107					Neogenix Oncology,
	ensituximab	n/a	10/21/2010	Treatment of pancreatic cancer.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2108					
	ganitumab	n/a	11/23/2010	Treatment of pancreatic cancer.	Nantcell
2109					
	golnerminogene pradenovec	Tnferade(Tm) Biologic	10/28/2009	Treatment of pancreatic cancer.	GenVec, Inc.
2110	humanized monoclonal	. /-	4/25/2044		Manufactul I.e.
2444	antibody to tissue factor	n/a	4/26/2011	Treatment of pancreatic cancer.	Morphotek, Inc.
2111	L acharaginasa angangulatad in				
	L-asparaginase encapsulated in red blood cells	Graspa	7/6/2012	Treatment of pancreatic cancer.	ERYTECH Pharma
2112	red blood cells	Стазра	7/0/2012	Treatment of pancieatic cancer.	LINTILCTIFITATITIA
2112					NBI Pharmaceuticals,
	met-enkephalin; Met-N	n/a	2/18/2011	Treatment of pancreatic cancer.	Inc.
2113	cc cimoprium, moc ii	,	2, 20, 2022	The second of th	
	mibefradil	n/a	10/16/2008	Treatment of pancreatic cancer.	Cavion, LLC
2114				·	
	MN14 monoclonal antibody to				
	carcinoembryonic antigen	Cea-Cide	11/24/1998	Treatment of pancreatic cancer.	Immunomedics, Inc.
2115					
	monomethyl auristatin E				
	conjugated to a monoclonal				
	antibody which targets				Millennium
	guanylyl cyclase C	n/a	7/29/2014	Treatment of pancreatic cancer.	Pharmaceuticals, Inc.
2116			0 10 10 5 : -		
2447	nimotuzumab	n/a	9/8/2015	Treatment of pancreatic cancer.	InnoCIMab Pte Ltd
2117	Dontido concietir a afil analys				
	Peptide consisting of L-amino				
	acids with the sequence H-lys-glu-phe-leu-his-pro-ser-lys-val-				Soricimed Biopharma,
	asp-leu-pro-arg-OH	n/a	6/20/2016	Treatment of pancreatic cancer.	Inc.
2118	asp icu-pro-arg-orr	II/ u	0/23/2010	paricipalities paricipalities.	inc.
2110	pritumumab	n/a	4/6/2016	Treatment of pancreatic cancer.	Nascent Biotech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2119					Vicus Therapeutics,
	propranolol and etodolac	n/a	4/27/2015	Treatment of pancreatic cancer.	LLC
2120					
	Re188 P2045 somatostatin				Andarix
	peptide analogue	n/a	6/19/2014	Treatment of pancreatic cancer.	Pharmaceuticals, Inc.
2121	Replication-incompetent GM-				
	CSF-expressing gene-modified				
	allogeneic pancreatic cancer				
	cell lines	Gvax Pancreas	3/1/2010	Treatment of pancreatic cancer.	Aduro BioTech, Inc.
2122					Onconova
	rigosertib	n/a	3/18/2011	Treatment of pancreatic cancer.	Therapeutics, Inc
2123					
	sacituzumab govitecan	n/a	5/29/2014	Treatment of pancreatic cancer.	Immunomedics, Inc.
2124					Kadmon Corporation,
	salirasib	n/a	12/18/2006	Treatment of pancreatic cancer.	LLC
2125					Geistlich Pharma NA,
	taurolidine	n/a	5/16/2016	Treatment of pancreatic cancer.	Inc.
2126					Cellceutix
	thioureidobutyronitrile	Kevetrin	1/20/2016	Treatment of pancreatic cancer.	Corporation
2127					
	trabedersen	n/a	7/21/2009	Treatment of pancreatic cancer.	Oncotelic, Inc.
2128					
					ZOR Pharmaceuticals,
	Virulizin	Virulizin	2/1/2001	Treatment of pancreatic cancer.	LLC
2129				Treatment of pantothenate	
				kinase associated	
	pantothenate phosphate	n/a	5/4/2015	neurodegeneration (PKAN).	Retrophin, Inc.
2130				Treatment of papillomavirus	
	Natural human lymphoblastoid			warts in the oral cavity of HIV	Amarillo Biosciences,
	interferon-alpha	n/a	8/10/2000	positive patients.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2131				_	
				Treatment of parenteral nutrition	
	Omegaven emulsion	Omegaven	2/27/2008	associated liver disease	Deutschland GmbH
2132	Ac-lle-Cys-Val-Trp(1-Me)-Gln-				
	Asp-Trp-Gly-Ala-His-Arg-Cys-				
	Thr-AEEA-Lys-PEG 40KDa-Lys-				
	AEEA-Thr-Cys-Arg-His-ALa-Gly-				
	Trp-Asp-Gln-(1-Me)Trp-Val-Cys-			Treatment of paroxysmal	Apellis
	Ile-Ac	n/a	4/20/2014	nocturnal hemoglobinuria	Pharmaceuticals, Inc.
2133					
	S3,S13-cyclo(D-tyrolsyl-L-				
	isoleucyl-L-cysteinyl-L-valyl-1-				
	methyl-L-tryptophyl-L-				
	glutaminyl-L-aspartyl-L-				
	tryptophyl-N-methyl-L-glycyl-L-				
	alanyl-L-histidyl-L-arginyl-L-				
	cysteinyl-N-methyl-L-			. ,	Amyndas
	isoleucinamide)	n/a	10/9/2014	nocturnal hemoglobinuria (PNH)	Pharmaceuticals
2134					
				Treatment of partial onset or	
				primary generalized tonic-clonic	
				seizures for hospitalized epilepsy	
				patients or epilepsy patients	
				being treated in an emergency	
				care setting who are unable to	CURx
	topiramate injection	n/a	7/24/2013	take oral topiramate	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2135	anti-TCR murine monoclonal	n/a	6/7/2010	Treatment of patients 16 years of age and younger with immunemediated T1DM and preserved pancreatic beta cell function	Tolera Therapeutics,
2136	antibody (MAb, type IgM)	П/а	6/7/2010	pancreatic beta cen function	Inc.
	Cyclosporine 2% ophthalmic ointment	n/a	8/1/1991	Treatment of patients at high risk of graft rejection following penetrating keratoplasty	Allergan, Inc.
2137	pegylated granulocyte colony stimulating factor	n/a		Treatment of patients at risk of developing myelosuppression following a radiological or nuclear incident	PharmaEssentia
2138		,	4/45/0005	Treatment of patients having experienced a severe traumatic brain injury (Glasgow Coma Scale 3 to 8) in order to decrease early mortality and improve long-term functional and neurological	
2139	Anatibant angiotensin (1-7)	n/a	8/20/2013	Treatment of patients requiring stem cell transplantation to accelerate the mobilization of hematopoietic stem cells (CD34+) from the bone marrow to the peripheral blood when combined with a granulocyte colony-stimulating factor	Xytis, Inc. US Biotest, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2140					
				Treatment of patients	
				undergoing induction therapy for	
	Lisofylline	n/a	6/10/1999	acute myeloid leukemia.	Cell Therapeutics, Inc.
2141					
	(3S)-3-[(2S)-2-({N-[2-tert-				
	butyl)phenyl]carbamoyl}carbo				
	nylamino) propanoylamino]-4-				
	oxo-5-(2,3,5,6-			Treatment of patients	Pfizer Global
	tetrafluorophenoxy) pentanoci			undergoing solid organ	Research and
	acid	n/a	8/19/2003	transplantation.	Development
2142				Treatment of patients with a	
	heparin activated recombinant			confirmed traumatic complete	
	human fibroblast growth			spinal cord injury where no	
	factor 1 (FGF1)in combination			motor or sensory function is	
	with a surgically implanted			preserved below the injury(Scale	BioArctic
	biodegradable device	n/a	10/24/2011	A)	Neuroscience AB
2143					
	Bioartificial liver system			Treatment of patients with acute	
	utilizing xenogenic			liver failure presenting with	
	hepatocytes in a hollow fiber	,	- 4 4	encephalopathy deteriorating	
	bioreactor cartridge (BAL)	n/a	2/11/2002	beyond Parson's grade 2	Excorp Medical, Inc.
2144				Treatment of patients with	
		[0/10/55:5	angioimmunoblastic T-cell	
	brentuximab vedotin	Adcetris	9/13/2013	lymphoma	Seattle Genetics, Inc.
2145					
				Treatment of patients with	
		,		autosomal recessive polycystic	Kadmon Corporation,
	Tesevatinib	n/a	3/1/2016	kidney disease (ARPKD)	LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2146				Treatment of patients with	
				benign epilepsy of childhood	
				with centrotemporal spikes	
				(BECTS) also known as rolandic	Marathon
	sulthiame	n/a	7/25/2013		Pharmaceuticals, LLC
2147				Treatment of patients with BRAF	
				mutation positive non-small cell	Novartis
	dabrafenib	Tafinler	10/20/2014	lung cancer	Pharmaceuticals Corp
2148				Treatment of patients with BRAF	Novartis
				mutation positive non-small cell	Pharmaceuticals
	dabrafenib and trametinib	n/a	10/29/2015	lung cancer.	Corp.
2149					
	recombinant neuroglobin				
	(rNgb) containing mutations			Treatment of patients with	University of
	H64Q/C46G/C55S/C120S	n/a	11/17/2014	carbon monoxide poisoning	Pittsburgh
2150					
				Treatment of patients with CD55	
	SC-1 monoclonal antibody	n/a	11/12/2003	(sc-1) positive gastric tumors	Patrys Limited
2151					
				Treatment of patients with	
	Pentostatin	Nipent	1/29/1991	chronic lymphocytic leukemia.	SuperGen, Inc.
2152				Treatment of patients with	
	humanized Fc engineered			chronic lymphocytic	
	monoclonal antibody against			leukemia/small lymphocytic	
	CD19	n/a	4/29/2014	lymphoma	MorphoSys AG
2153				Treatment of patients with	
	melphalan hydrochloride	n/a	11/12/2008	cutaneous melanoma.	Delcath Systems, Inc.
2154					Kyowa Kirin
1				Treatment of patients with	Pharmaceutical
	mogamulizumab	n/a	11/2/2010	cutaneous T-cell lymphoma.	Development Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2155					
	human cystic fibrosis				
	transmembrane conductance				
	regulator (hCFTR) messenger				
	RNA (mRNA) complexed with				
	branched polyethyleneimine			Treatment of patients with cystic	
	(bPEI)	n/a	11/3/2015	fibrosis.	Shire
2156					
				Treatment of patients with	
	brentuximab vedotin	Adcetris(R)	1/31/2014	diffuse large B-cell lymphoma.	Seattle Genetics, Inc.
2157	4-[(7-Methoxy-2,3-dihydro-1,4-				
	benzothiazepin-4(5H)-				
	yl)methyl]benzoic acid,			Treatment of patients with	
	hemifumarate	n/a	11/18/2015	Duchenne Muscular Dystrophy.	ARMGO Pharma, Inc.
2158					
				Treatment of patients with	
				, , ,	Savient
0.1.70	Oxandrolone	Oxandrin	· · ·	· · · ·	Pharmaceuticals, Inc.
2159		,			Shire ViroPharma
	budesonide	n/a	12/20/2006	eosinophilic esophagitis	Incorporated
2160				Treatment of patients with	
				extranodal marginal zone	
				lymphoma (mucosa associated	
			- 1- 1	lymphoid tissue [MALT type]	
	ibrutinib	Imbruvica	2/2/2016	lymphoma)	Pharmacyclics, LLC
2161	2-[4-[[(2-R)-2-ethoxy-3-[4-				
	(trifluoromethyl)phenoxy]prop				
	yl]thio]-2-			Treatment of patients with	
	methylphenoxy]acetic acid			Frederickson Type I or V	CymaBay
	(1:1) lysine dihydrate	n/a	4/15/2015	hyperlipoproteinemia	Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2162				Treatment of patients with	
				functional	
				gastroenteropancreatic (GEP)	
				neuroendocrine tumors	
				(specifically, carcinoid,	
				insulinoma, gastrinoma,	Novartis
	Multi-ligand somatostatin			somastatinoma, GRFoma,	Pharmaceuticals
	analog	n/a	7/27/2004	VIPoma and glucagonoma.	Corporation
2163					
				Treatment of patients with gram-	
				negative bacteremia which has	
	Nebacumab	Centoxin	10/1/1986	progressed to endotoxin shock.	Centocor, Inc.
2164				Treatment of patients with	
	melphalan hydrochloride	n/a	9/26/2013	hepatocellular carcinoma	Delcath Systems, Inc.
2165				Treatment of patients with HIV-	
				associated adipose redistribution	
	Somatropin	Serostim	3/16/2004	•	EMD Serono, Inc.
2166				Treatment of patients with	
				invasive (malignant) brain and	
	Human alpha 2,6			central nervous system tumors	Falk Center for
	sialyltransferase adenoviral			lacking alpha 2,6	Molecular
	gene therapy	n/a	4/4/2005	sialyltransferase.	Therapeutics
2167					
				Treatment of patients with	
				known or suspected internal	
	Trisodium zinc			contamination with plutonium,	
	Diethylenetriaminepentaaceta			americium, or curium to increase	
	te	n/a	2/27/2004	the rate of elimination.	Pharmacy

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2168					
				Treatment of patients with	Heyl Chemisch-
				known or suspected internal	Pharmazeutische
		Diethylenetriaminepentaa		contamination with plutonium,	Fabrik GMBH & Co.
	pentetate trisodium	cetate	4/12/2004	americium, or curium.	KG
2169					
				Treatment of patients with	
				known or suspected internal	
				contamination with radioactive	
	ferric hexacyanoferrate (II)			or non-radioactive cesium or	
	"Prussian Blue"	n/a	6/26/2003	thallium	Degussa AG
2170					
				Treatment of patients with	Royds
	picibanil	n/a	5/15/2009	lymphatic malformations	Pharmaceuticals, Inc.
2171				Treatment of patients with	
	thymosin beta 4	n/a	12/31/2013	neurotrophic keratopathy	ReGenTree, LLC
2172					
				Treatment of patients with non-	
				small cell lung cancer (NSCLC)	
	vemurafenib	Zelboraf	9/8/2014	with BRAF V600E mutation	Genentech, Inc.
2173				Treatment of patients with	
	melphalan hydrochloride	n/a	11/12/2008	ocular (uveal) melanoma.	Delcath Systems, Inc.
2174					
				Treatment of patients with	Janssen Research &
	trabectedin	Yondelis	3/29/2005	ovarian cancer	Development, LLC
2175				Treatment of patients with	
	masitinib	n/a	7/21/2009	pancreatic cancer	AB Science
2176				Treatment of patients with	
				pancreatic cancer that	
	trastuzumab	Herceptin	12/14/1999	overexpress p185HER2.	Genentech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2177	L-amino acids, vitamins and				
	minerals combined with			Treatment of patients with	Immunopath Profile,
	omega-3 fatty acids	n/a	1/12/2011	pediatric Crohn's disease	Inc.
2178				Treatment of patients with	
				peripheral T-cell lymphoma, not	
	brentuximab vedotin	Adcetris	4/15/2013	otherwise specified	Seattle Genetics, Inc.
2179					
				Treatment of patients with	Cempra
	sodium fusidate	n/a	10/23/2013	prosthetic joint infections	Pharmaceuticals, Inc.
2180	alpha-1 proteinase inhibitor			Treatment of patients with	
	(human)	Glassia	7/28/2011	recent onset (Kamada, Ltd.
2181				Treatment of patients with	
				secondary progressive multiple	
	Interferon beta-1a	Rebif	3/11/1996	sclerosis.	EMD Serono, Inc.
2182					
	Silver sulfadiazine and cerium			Treatment of patients with	Alliance
	nitrate	Flammacerium	11/17/1999	severe dermal burns	Pharmaceuticals Ltd
2183	2-[4-Methoxy-3-(2-m-tolyl-				
	ethoxy)-benzoylamino]-indian-			Treatment of patients with	
	2-carboxylic acid	n/a	5/14/2013	systemic sclerosis	Sanofi U. S., Inc.
2184	chlorobutanol/propylene			Treatment of patulous	
	glycol/hydrochloric acid	Patul-End	2/18/1997	eustachian tube	Ear Foundation
2185				Treatment of pediatic polycystic	
	chromium picolinate and			ovary syndrome (0 through 16	
	chromium histidinate	n/a	12/22/2014	years of age)	JDS Therapeutics, LLC
2186					
				Treatment of pediatriac patients	Aptalis Pharma US,
	beclomethasone	n/a	3/4/2009	with ulcerative colitis	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2187				Treatment of pediatric (0	
				through 16 years of age) juvenile	
				idiopathis arthritis (JIA)	
				International League of	
				Associations for Rheumatology	
				(ILAR) categories excluding	Marathon
	deflazacort	n/a	10/22/2015	systemic JIA.	Pharmaceuticals, LLC
2188		,		Treatment of pediatric (0	,
				through 16 years of age)	Receptos Services,
	ozanimod	n/a	12/29/2015	ulcerative colitis	LLC
2189					
				Treatment of pediatric (0-16 yrs	
	autologous umbilical cord			old inclusive) cerebral palsy due	
	blood	n/a	7/24/2012	to acquired brain injury	Duke University
2190	(3S,4R)-3-Ethyl-4-(3H-				
	imidazo[1,2-a]pyrrolo[2,3-				
	e]pyrazin-8-yl)-N-(2,2,2-			Treatment of pediatric (aged 0	
	trifluoroethyl)pyrrolidine-1-			through 16 years) juvenile	
	carboxamide (2R,3R)-2,3-	. / .	0/40/2045	idiopathic arthritis (JIA) ILAR	Al-la Carata
2404	dihydroxybutanedioate	n/a	9/18/2015	categories excluding systemic JIA	Abbvie, Inc.
2191				Treatment of pediatric (defined	
				as children less than 17 years of	
				age) pulmonary arterial	
	sildenafil	Revatio	7/28/2011	hypertension	Pfizer, Inc.
2192			, , 20, 2011	Treatment of pediatric adrenal	,
				insufficiency (0 through 16 years	
	hydrocortisone oral granules	Infacort(R)	5/13/2015	, , , , , ,	Diurnal Limited
2193			·		
				Treatment of pediatric and adult	Adare
	fluticasone propionate	n/a	1/19/2011	eosinophilic esophagitis	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2194					
				Treatment of pediatric	Sigma-Tau
	Levocarnitine	Carnitor	11/22/1993	cardiomyopathy.	Pharmaceuticals, Inc.
2195					
				Treatment of pediatric	Optimer
	fidaxomicin	Dificid	12/13/2010	Clostridium difficile infection	Pharmaceuticals, Inc.
2196					
	Ubiquinol, coenzyme Q10,	HILL O No.	4/42/2004	Treatment of pediatric	Gel-Tec, Division of
2407	ubiquinone	Ubi-Q-Nol	4/12/2004	congestive heart failure	Tishcon Corporation
2197	bifidobacterium longum	. 1.	4 /4 5 /2002	Treatment of pediatric Crohn's	Alimentary Health
2400	infantis 35624	n/a	1/16/2003		Limited
2198		. 1.	7/20/2045	Treatment of pediatric Crohn's	
2400	mongersen	n/a	7/20/2015		Celgene Corporation
2199				Treatment of pediatric Crohn's	l D 0
		Chalana	F /40/2046	disease (0 through 16 years of	Janssen Research &
2200	ustekinumab	Stelara	5/18/2016	<u> </u>	Development, LLC
2200	clarithromycin, rifabutin, clofazimine	n /n	4/26/2011	Treatment of pediatric Crohn's	RedHill Biopharma
2201	ciorazimine	n/a	4/26/2011	aisease.	Ltd.
2201				Treatment of podiatric HIV	NovoMed
	0 nitro 20 (5) comptathacin	Camvirex	E /1E /2001	Treatment of pediatric HIV	
2202	9-nitro-20-(S)-camptothecin	Carrivirex	5/15/2001	infection/AIDS	Pharmaceuticals, Inc.
2202				Treatment of pediatric HIV/AIDS	Immune Response
	REMUNE HIV 1	n/a	2/14/2014	(age through 16 years)	BioPharma, Inc.
2203	Bacillus subtilis oxalate	III/ d	2/14/2014	Treatment of pediatric	Allena
2203	decarboxylase	n/a	2/20/2016	hyperoxaluria	Pharmaceuticals
2204	uecai boxyiase	III/ a	2/29/2010	Treatment of pediatric	riiaiiiiaceuticais
2204	paricalcitol	Zemplar	10/27/2015	hyperparathyroidism	Abbvie, inc.
2205	Pariculation	zempiai	10/2//2013	Treatment of pediatric juvenile	ABBVIC, IIIC.
2203	nabumetone	n/a	5/5/2008	rheumatoid arthritis	Cook Pharma
	nabametone	11/ α	3/3/2008	incumatora artiffus	COOKTHAIIIIa

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2206					
	Glyeraldehyde-3-phosphate		. / /	Treatment of pediatric multiple	BPT Pharmaceuticals,
	dehydrogenase	Proenzy	4/30/2010		Inc.
2207	recombinant ovine interferon	- c	4 /25 /2005	Treatment of pediatric multiple	DED 05 11
2200	tau	Tauferon	1/25/2005	scierosis	PEPGEN Corporation
2208	T cell receptor (TCR) peptide			Treature and of Declintaria Marikinia	I
	(BV5S2, BV6S5, BV13S1)	Name	2/5/2014	Treatment of Pediatric Multiple	Immune Response
2209	vaccine	Neurovax	2/6/2014	Treatment of pediatric multiple	BioPharma, Inc.
2209				sclerosis (0 through 16 years of	Nutra Pharma
	modified a-cobratoxin	ln/a	9/1/2015		Corporation
2210		li/a	3/1/2013	lage).	Corporation
2210				Treatment of pediatric multiple	
	anti-TCR murine monoclonal			sclerosis in patients less than or	Tolera Therapeutics,
	antibody (MAB, type IgM)	n/a	1/12/2011	equal to 16 years of age	Inc.
2211	abeotaxane inhibitor of	in a	1/12/2011	Treatment of pediatric	inc.
	microtubules	n/a	4/18/2011	neuroblastoma.	Cortice Biosciences
2212			, -, -		
				Treatment of pediatric patients	
				(0 through 16 years of age) with	
	ivabradine	n/a	3/23/2016	dilated cardiomyopathy.	Amgen, Inc.,
2213	human recombinant dual-				
	variable domain				
	immunoglobulin G1				
	monoclonal antibody that				
	selectively neutralizes tumor				
	necrosis factor-alpha and			Treatment of pediatric patients 0	
	interkeukin-17A	n/a	2/4/2016	to	AbbVie, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2214				Treatment of pediatric patients	
				infected with human	
				immunodeficiency virus and	
				acquired immunodeficiency	
	rubitecan	n/a	7/17/2002	· ·	SuperGen, Inc.
2215				Treatment of pediatric patients	
	Ombitasvir/Paritaprevir/Riton			with chronic hepatitis C virus	
	avir	Technivie® Tablets	2/24/2016		AbbVie Inc.
2216	beclomethasone 17,21-	,		Treatment of pediatric patients	
	diproprionate	n/a	12/18/2007	with Crohn disease.	Soligenix, Inc.
2217					
				Treatment of pediatric patients	
	ombitasvir/paritaprevir/ritona		= /4.5/204=	with hepatitis C virus infection (0	
2212	vir and dasabuvir	Viekira Pak	//16/2015	through 16 years of age)	Abbvie, Inc.
2218	lade a harasala ad			T	University of
	calcium benzoate and	. 1.	42/20/2040	Treatment of pediatric patients	California, Los
2240	risperidone	n/a	12/20/2010	with schizophrenia	Angeles
2219				T	11004
	la colora con un cara	/ -	4/45/2005	Treatment of pediatric patients	UPM
2220	hydroxyurea	n/a	4/15/2005	with sickle cell anemia.	Pharmaceuticals, Inc.
2220				Turaturant of madiatuia matianta	
				Treatment of pediatric patients	
		n/a	2/17/2016	with Tourette's syndrome (0	Canaa Caiamaaa II.C
2224	guanfacine and amphetamine	n/a	3/1//2016	through 16 years of age)	Genco Sciences, LLC
2221				Treatment of podiatric patients	
	ladalimumab	Humira	E /11 /2011	Treatment of pediatric patients with ulcerative colitis	Abb\/io_lnc
2222	auaiiiiiuiiiab	пинна	5/11/2011	with dicerative collis	AbbVie, Inc.
2222				Treatment of pediatric patients	
	etrolizumab	n/a	0/22/2016	with ulcerative colitis	Gonontoch Inc
	Cuonzuman	ıı/a	0/22/2010	with dicerative collus	Genentech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2223	mesalamine and N- acetycysteine	n/a	9/10/2009	Treatment of pediatric patients with ulcerative colitis (inclusive through age 16 years)	Altheus Therapeutics,
2224	metformin	n/a		Treatment of pediatric polycystic ovary syndrome	
2225	benzoate	Naben	7/6/2012	Treatment of pediatric schizophrenia	SyneuRx International (Taiwan) Corp.
2226	cannabidiol	n/a	11/17/2014	_ ,	Insys Therapeutics, Inc.
2227	bifidobacterium infantis 35624	n/a	3/24/2008	colitis	Alimentary Health Limited
2228	golimumab	Simponi	3/16/2012	Treatment of pediatric ulcerative colitis	Janssen Biotech, Inc.
2229	mesalamine	Canasa	1/19/2010	·	Aptalis Pharma US, Inc.
2230	anti-tumor necrosis factor (TNF) polyclonal antibody (bovine)	n/a	11/17/2014	Treatment of pediatric ulcerative colitis (0 through 16 years of age)	
2231	veltuzumab	n/a	11/17/2014	Treatment of pemphigus	Immunomedics, Inc.
2232	(S)-2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxo-3-phenyl-3,4-dihydropyrrolo[2,1-f][1,2,4]triazine-5-carbonitrile	n/a	1/26/2015	Treatment of pemphigus vulgaris	Almirall S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2233	Desmoglein 3 synthetic				
	peptide (PI-0824)	n/a	10/26/2004	Treatment of pemphigus vulgaris	Peptimmune, Inc.
2234					
	rituximab	Rituxan(R); Mabthera(R)	2/23/2015	Treatment of pemphigus vulgaris.	Genentech, Inc.
2235				Treatment of perforating	
				diseases, including Kyrle's	
				disease, reactive perforating	
				collangenosis, perforating	
				folliculitis and elastosis perforans	
	cantharidin	n/a	7/24/2012	serpiginosa	Orenova Group, LLC
2236					
	2-iminobiotin	n/a	2/24/2009	Treatment of perinatal asphyxia.	Neurophyxia B.V.
2237					Galderma
	Metronidazole	Metrogel	10/24/1991	Treatment of perioral dermatitis.	Laboratories, Inc.
2238	Recombinant human			Treatment of peripheral arterial	
	microplasmin	n/a	1/23/2006	occlusion	ThromboGenics Ltd
2239	chimeric antigen receptor				
	directed against the target				
	protein CD4 lentivirally			Treatment of peripheral T-cell	iCell Gene
	transfected T cells	n/a	7/28/2016	lymphoma	Therapeutics
2240				Treatment of peripheral T-cell	
	denileukin diftitox	Ontak	4/30/2010	lymphoma	Eisai, Inc.
2241				Treatment of peripheral T-cell	
	fenretinide	n/a	9/4/2013	lymphoma	CerRx, Inc.
2242				Treatment of peripheral T-cell	
	denileukin diftitox	n/a	6/29/2011	lymphoma (PTCL)	Eisai, Inc.
2243				Treatment of peripheral T-cell	
	Darinaparsin	n/a	9/13/2010	lymphoma.	Solasia Pharma K.K.
2244					Kyowa Kirin
				Treatment of peripheral T-cell	Pharmaceutical
	mogamulizumab	n/a	11/2/2010	lymphoma.	Development, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2245				Treatment of peripheral T-cell	
	Pentostatin	Nipent	11/24/1999	lymphomas.	SuperGen, Inc.
2246	Corticotropin-releasing factor,			Treatment of peritumoral brain	Neurobiological
	human	Xerecept	4/6/1998	edema.	Technologies, Inc.
2247					
	Antisense oligonucleotide			Treatment of persistent corneal	CoDa Therapeutics,
	directed against connexin43	Nexagon	4/27/2009	epithelial defects	Inc.
2248	recombinant human gowth				
	hormone in an ocular delivery			Treatment of persistent corneal	
	system	n/a	12/3/2012	epithelial defects	Jade Therapeutics LLC
2249				Treatment of persistent	
				methicillin-resistant S. aureus	
	vancomycin hydrochloride			lung infection in patients with	Savara
	(inhalational)	n/a	9/20/2012	cystic fibrosis	Pharmaceuticals, Inc.
2250				Treatment of persistent	
				pulmonary hypertension in	
	nitric oxide	n/a	6/18/2012	newborns	GeNO, LLC
2251				Treatment of persons with	
				myeloproliferative neoplasm-	
				associated myelofibrosis and	
				anemia who are red blood cell	
	pomalidomide	n/a	9/21/2010	tranfusion dependent.	Celgene Corporation
2252					
	4-[4-[[[[3-(1,1-dimethylethyl)-1-				
	(6-quinolinyl)-1H-pyrazol-5-				
	yl]amino]carbonyl]-amino]-3-				
	fluorophenoxyl]-N-methyl-2-			Treatment of Philadelphia	
	pyridinecarboxamide, p-			chromosome positive chronic	Deciphera
	toluenesulfonate salt	n/a	9/3/2009	myeloid leukemia	Pharmaceuticals, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2253					
	N-[3-(4',5'-bipyrimidin-2-				
	ylamino)-4-methylphenyl]-4-				
	{[(3S)-3-				
	(dimethylamino)pyrrolidin-1-			Treatment of Philadelphia	
	yl]methyl}-3-		/	chromosome-positive chronic	
2254	(trifluoromethyl)benzamide	n/a	12/27/2006	myelogenous leukemia.	CytRx Corporation
2254				Treatment of Philadelphia-	Teva Branded
	I a a transcription illa	/ -	0/2/2000	negative classic	Pharmaceutical
2255	lestaurtinib	n/a	9/3/2009	myeloproliferative disorders	Products R&D, Inc.
2255	recombinant humanized IgG4				
	monoclonal antibody that			Treatment of pigmented	
	binds human colony			villonodular synovitis and	Five Prime
	· ·	n/a	1/11/2016	tenosynovial giant cell tumor	Therapeutics, Inc.
2256	Still didtilly ractor is receptor	ii yu	1/11/2010	terrosyrioviai giarre cen carnor	Therapeaties, inc.
	recombinant humanized				
	monoclonal antibody of the				
	immunoglobulin G1 subclass				
	directed against colony			Treatment of pigmented	
	stimulating factor-1 receptor			villonodular synovitis and	
	expressed on macrophages	n/a	5/14/2014	tenosynovial giant cell tumor	Genentech, Inc.
2257					
	recombinant human				
	monoclonal antibody of the			Treatment of pigmented	
	IgG1 kappa class against			villonodular synovitis, including	
	human macrophage colony-			giant cell tumor of the tendon	Novartis
	stimulating factor	n/a	8/19/2014	sheath	Pharmaceuticals Corp

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2258					
	[5-(5-Chloro-1H-pyrrolo[2,3-				
	b]pyridin-3-ylmethyl)-pyridin-2-				
	yl]-(6-trifluoromethyl-pyridin-3-			Treatment of pigmented	
	ylmethyl)-amine hydrochloride	- la	2/14/2014	villonodular synovitis/giant cell	Daiishi Canlusa Ina
2259	salt	n/a	2/14/2014	tumor of the tendon sheath Treatment of plasma cell	Daiichi Sankyo, Inc.
2259	melphalan flufenamide			myeloma, also referred to as	
	hydrochloride	n/a	3/16/2015	multiple myeloma	Oncopeptides AB
2260	inyaroemonac	117 4	3/10/2013	mattiple mycloma	Kathleen A Stringer,
					PharmD, FCCP -
	rt-PA	Activase	10/20/2014	Treatment of plastic bronchitis	Professor
2261				Treatment of Pneumocystis	
				carinii pneumonia associated	
	Clindamycin	Cleocin	10/28/1988	with AIDS patients.	Pharmacia & Upjohn
2262				Treatment of Pneumocystis	
	Pentamidine isethionate	n/a	10/29/1984	carinii pneumonia.	Aventis Behring L.L.C.
2263					
		,	44 /4 = /0000	Treatment of pneumocystis	Immtech
2264	pafuramidine maleate	n/a	11/17/2006	jiroveci pneumonia	Pharmaceuticals, Inc.
2264	human manadanal antihadu			Treatment of pneumonic coursed	
	human monoclonal antibody directed against serotype O1			Treatment of pneumonia caused by serotype O1 positive	
	Pseudomonas aeruginosa	n/a	1/6/2010	Pseudomonas aeruginosa	Kenta Biotech Limited
2265	Sterile talc	Steritalc		Treatment of pneumothorax.	Novatech SA
2266	1-[(2-Chloro-4-		==, =, =	р	
	methoxyphenoxy)methyl]-4-				
	[(2,6-dichlorophenoxy)				
	methyl]benzene	n/a	1/9/2012	Treatment of poliovirus infection.	ViroDefense, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2267				Treatment of polyarticular	
				juvenile idiopathic arthritis in	
				patients 0 through 18 years of	Janssen Research &
	golimumab	Simponi Aria	4/2/2015	age.	Development, LLC
2268			- 1 - 1		miRagen
	inhibitor of microRNA-451	n/a	2/4/2011	Treatment of polycythemia vera	Therapeutics, Inc.
2269					
	N-tert-butyl-3-[(5-methyl-2-{[4-				
	(2-pyrrolidin-1- ylethoxy)phenyl]amino}pyrimi				
	din-4-yl)amino]				
	benzenesulfonamide				sanofi-aventis U.S.
		n/a	3/21/2013	Treatment of polycythemia vera	LLC
2270	amyareemenae menenyarate	11, 0	3/21/2013	Treatment of polycytherma vera	
	natural human lymphoblastoid				Amarillo Biosciences,
	interferon-alpha	n/a	11/18/2002	Treatment of polycythemia vera	Inc.
2271	·				
	pegylated proline-interferon				PharmaEssentia
	alpha-2b; PEG-P-IFNa-2b	n/a	4/2/2012	Treatment of polycythemia vera	Corporation
2272					
					Roberts
	Anagrelide	Agrylin	6/11/1985	Treatment of polycythemia vera.	Pharmaceutical Corp.
2273					Novartis
					Pharmaceuticals
0.5	Siponimod	n/a	11/26/2013	Treatment of polymyositis	Corporation
2274					CL and a set
	at a maraba mara l		12/16/2015	Treatment of polyqlutamine	Steminent
2275	stemchymal	n/a	12/16/2015	spinocerebellar ataxia	Biotherapeutics, Inc.
2275	Adeno-associated viral vector				
	expressing human acid alpha				Audentes
	glucosidase gene	n/a	3/20/2007	Treatment of Pompe disease	Therapeutics, Inc.
	Sideosidase gene	11/ 0	3/20/2007	incutification of online disease	merapeatics, inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2276					Amicus Therapeutics,
	duvoglustat hydrochloride	n/a	6/18/2007	Treatment of Pompe disease	Inc
2277					
	recombinant human alpha-				
	glucosidase conjugated with				
	synthetic bis-mannose-6-	,			Genzyme, a Sanofi
	phosphate-Man6 glycan	n/a	11/19/2013	Treatment of Pompe Disease	Company
2278					
	recombinant glycosylated				
	independent lysosomal				
	targeting (GILT) tagged human				BioMarin
	acid alpha glucosidase	n/a	8/20/2010	Treatment of Pompe disease.	Pharmaceutical, Inc.
2279				Treatment of postanoxic	Watson Laboratories,
	L-5 Hydroxytrytophan	n/a	11/1/1984	intention myoclonus.	Inc.
2280				_	
				Treatment of postherpetic	Immune
	amitriptyline and ketamine	Amiket(Tm)	1/19/2010		Pharmaceuicals, Inc.
2281				Treatment of postherpetic	Relmada
	d-methadone	n/a	6/2/2016	-	Therapeutics, Inc.
2282				Treatment of postherpetic	Relmada
	mepivacaine	n/a	1/8/2007		Therapeutics, Inc.
2283				Treatment of postherpetic	Allodynic
	naltrexone	n/a	2/23/2015	<u> </u>	Therapeutics LLC
2284	naltrexone/clonidine			Treatment of postherpetic	Allodynic
	combination	n/a	4/14/2014	neuralgia	Therapeutics LLC
2285					
				Treatment of postherpetic	Winston
	civamide	Zucapsaicin	12/9/2002	neuralgia of the trigeminal nerve	Laboratories, Inc.
2286				Treatment of postherpetic	TheraQuest
	Capsaicin	n/a	8/3/2005	neuralgia.	Biosciences, LLC
2287				Treatment of postherpetic	Winston
	civamide	n/a	2/17/2009	neuralgia.	Laboratories, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2288					
				Treatment of post-ischemic	
				pulmonary reperfusion edema	
				following surgical treatment for	
	Neutrophil-endothelial			chronic thromboembolic	
	interaction inhibitor	Cylexin	12/22/1993	pulmonary hypertension.	Cytel Corporation
2289				Treatment of post-polio	
	Human immune globulin	Flebogamma(R) 5% Dif	3/29/2006	syndrome	Instituto Grifols, S.A.
2290				Treatment of post-surgical	Shire Laboratories
	Butyrylcholinesterase	n/a	9/30/1992	apnea.	Inc.
2291	metronidazole	n/a	9/17/2008	Treatment of pouchitis	Avivia Project BV
2292					Atlantic Healthcare
	alicaforsen	n/a	6/24/2008	Treatment of pouchitis.	Limited
2293					S.L.A. Pharma Limited
	metronidazole	n/a	4/26/2011	Treatment of pouchitis.	(UK)
2294					
				Treatment of Prader Willi	Ferring
	carbetocin (nasal spray)	n/a	4/11/2014	syndrome	Pharmaceuticals, Inc.
2295				Treatment of Prader Willi	
	diazoxide	n/a	12/3/2012	Syndrome	Sedogen, LLC
2296				Treatment of Prader-Willi	
	beloranib	n/a	1/15/2013	syndrome	Zafgen, Inc.
2297				Treatment of Prader-Willi	
	diazoxide choline	n/a	5/13/2014	Syndrome	Essentialis, Inc.
2298				Treatment of Prader-Willi	
	oxytocin	n/a	11/24/2014	syndrome	Pr Maithe Tauber
2299				Treatment of Prader-Willi	
	Etiocholanedione	n/a	5/7/1996	syndrome.	SuperGen, Inc.
2300				Treatment of Prader-Willi	Rhythm Metabolics,
	setmelanotide	n/a	9/21/2015	Syndrome.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2301					
	synthetic surfactant comprised				
	of DPPC, POPG Na, synthetic SP-C analogue and synthetic			Transfer and of mustame managed	
	ŭ ,	n/a	2/16/2012	Treatment of preterm neonatal respiratory distress syndrome	Chiesi USA, Inc.
2302	SF-B analogue	ii/ a	3/10/2012	Treatment of primary and	Chiesi OSA, inc.
2302	Herpes simplex virus gene	n/a	10/16/1992	metastatic brain tumors.	Genetic Therapy, Inc.
2303	The past annip and the general	-, -			, , , , , , , , , , , , , , , , , , , ,
	(2S)-2-{[(2R)-2-[({[3,3-dibutyl-7-				
	(methylthio)-1,1-dioxido-5-				
	phenyl-2,3,4,5-tetrahydro-				
	1,2,5-benzothiadiazepin-8-				
	yl]oxy}acetyl)amino]-2-(4-				
	hydroxyphenyl)acetyl]amino}b			Treatment of primary biliary	
	utanoic acid	n/a	10/31/2012	cirrhosis	Albireo AB
2304					
	(4R,5R)-1-[[4-[[4-[3,3-Dibutyl-7-				
	(dimethylamino)-2,3,4,5-				
	tetrahydro-4-hydroxy-1,1-				
	dioxido-1-benzothiepin-5-				
	yl]phenoxy]methyl]phenyl]met				
	hyl]-4-aza-l- azoniabicyclo[2.2.2]octane			Treatment of primary biliary	Shire Human Genetic
	Chloride	n/a	9/4/2013		Therapies, Inc.
2305	Engineered variant of	iiy a	3/4/2013	CITTIO313	NGM
2303	recombinant human fibroblast			Treatment of primary biliary	Biopharmaceuticals,
	growth factor 19	n/a	2/6/2014		Inc.
2306	-		, , , , , ,	Treatment of primary brain	
	Busulfan	Spartaject	7/7/1997	malignancies.	SuperGen, Inc.
2307	Serratia marcescens extract			Treatment of primary brain	
	(polyribosomes)	Imuvert	9/7/1988	malignancies.	Cell Technology, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2308				Treatment of primary brain	
	Thalidomide	n/a	2/27/1998	malignancies.	Celgene Corporation
2309	Autologous dendritic cells				
	pulsed with autologous				
	antigens from primay			Treatment of primary brain	Northwest
	malignant brain tumor cells	Dcvax-Brain	11/29/2002	malignant cancer	Biotherapeutics, Inc.
2310				Treatment of primary brain	
	Poly-ICLC	Hiltonol	3/17/1997	tumors.	Oncovir
2311	Attenuated autologous cancer cells and granulocyte				
	macrophage colony				
	stimulating factor in				
	combination with activated				
	autologous blood derived T-			Treatment of primary central	
	cells	n/a	4/27/2007	nervous system malignancies	TVAX Biomedical, LLC
2312				Treatment of primary graft	Apeptico Forschung
				dysfunction following lung	und Entwicklung
	solnatide	n/a	2/4/2016	transplantation	GmbH
2313				Treatment of primary	
	Oxalobacter formigenes	n/a	3/29/2006	hyperoxaluria	OxThera, Inc.
2314					
	synthetic double-stranded				
	(hybridized duplex) ribonucleic				
	acid oligonucleotide specific to			Treatment of primary	Dicerna
	· ·	n/a	4/22/2015	hyperoxaluria type 1	Pharmaceuticals, Inc.
2315	, , ,		, ,		
	synthetic double-stranded				
	siRNA oligonucleotide directed				
	against hydroxyacid oxidase 1			Treatment of primary	Alnylam
	(HAO1) mRNA	n/a	2/8/2016	hyperoxaluria type 1	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2316				Treatment of primary immune	
	rozrolimupab	n/a	9/13/2010	thrombocytopenia.	Symphogen A/S
2317	PEG-interleukin-2	n/a	2/1/1990	Treatment of primary immunodeficiencies associated with T-cell defects.	Chiron Corporation
2318	Aldesleukin	Proleukin		Treatment of primary immunodeficiency disease associated with T-cell defects.	Prometheus Laboratories, Inc.
2319	valine-valine-ganciclovir	n/a	5/21/2007	Treatment of primary keratoconjunctivitis and recurrent epithelial keratitis due to HSV1 and HSV2.	Verenta Pharmaceuticals, Inc.
2320	Anti-tenascin 81C6 monoclonal antibody labeled w/ I 131	Neuradiab		Treatment of primary malignant brain tumors	Bradmer Pharmaceuticals, Inc.
2321	pembrolizumab	Ketruda	1/14/2016	Treatment of primary mediastinal B cell lymphoma.	Merck, Sharp & Dohme Corp.
2322	autologous T-cells transduced with retroviral vector encoding an anti-CD19 CD28/CD3-zeta chimeric antigen receptor	n/a	4/20/2016	Treatment of primary mediastinal B-cell lymphoma.	Kite Pharma, Inc.
2323	recombinant human minibody against complement component C5	Mubodina	2/4/2009	Treatment of primary membranoproliferative glomerulonephritis	Adienne S.A.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2324				Treatment of primary myelofibrosis (MF), post-	
	pacritinib	n/a	3/13/2008	polycythemia vera MF, and postessential thrombocythemia MF	CTI BioPharma Corporation
	Recombinant replication deficient adenovirus vector			Treatment of primary ovarian	
	carrying human p53 gene	n/a	4/12/1999	Treatment of primary peritoneal	Schering Corporation Oncolytics Biotech,
2326	pelareorep	Reolysin(R)	2/24/2015	' ' '	Inc.
	(4R,5R)-1-[[4-[[4-[3,3-Dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenoxy]methyl]phenyl]methyl]-4-aza-l-azoniabicyclo[2.2.2]octaneChloride			Treatment of primary sclerosing cholangitis	Shire Human Genetic Therapies, Inc.
2328	6-alpha- ethylchenodeoxycholic acid	n/a	4/9/2008	Treatment of primary sclerosing cholangitis	Intercept Pharmaceuticals, Inc.
2329	docosahexaenoic acid, DHA	n/a	12/17/2014	Treatment of primary sclerosing cholangitis	Sancilio and Company, Inc.
	simtuzumab	n/a	1/5/2015	Treatment of primary sclerosing cholangitis	Gilead Sciences, Inc.
2331	9,10-dimethoxy-5,6-dihydro-[1	n/a		Treatment of primary sclerosing cholangitis.	HighTide Biopharma Pty. Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2332	recombinant, fully-human, IgG4 immunoglobulin with antigen-binding specificity for human vascular adhesion protein-1 (VAP-1)	n/a	8/25/2016	Treatment of primary sclerosing cholangitis.	Biotie Therapies Corp.
2333	Glatiramer acetate for injection	Copaxone	6/5/2001	Treatment of primary- progressive multiple sclerosis	Teva Pharmaceuticals USA
2334	cridanimod	n/a	1/12/2011	Treatment of progesterone receptor negative endometrial cancer in conjunction with progesterone therapy.	Kevelt Ltd.
2335	(4R,5R)-1-[[4-[[4-[3,3-Dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenoxy]methyl]phenyl]methyl]-4-aza-l-azoniabicyclo[2.2.2]octaneChloride			Treatment of progressive familial intrahepatic cholestasis	
2336	(2S)-2-{[(2R)-2-[({[3,3-dibutyl-7-(methylthio)-1,1-dioxido-5-phenyl-2,3,4,5-tetrahydro-1,2,5-benzothiadiazepin-8-yl]oxy}acetyl)amino]-2-(4-hydroxyphenyl)acetyl]amino}butanoic acid	n/a		Treatment of progressive familial intrahepatic cholestatis	Albireo AB

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2337					
				Treatment of progressive	Inhibikase
	imatinib mesylate	n/a	5/6/2014	multifocal leukencephalopathy	Therapeutics, Inc.
2338				_	
	glycosylated recombinant			Treatment of progressive	
	human interleukin-7	n/a	9/27/2012	multifocal leukoencephalopathy	Cytheris, Inc.
2339					
	(21D 21C) 21 budgeout N. cogbeout				
	(2'R,3'S)-2'-hydroxy-N-carboxy-				
	3'-amino-5'-methyl-hexanoic,N- tert-butyl ester, 13 ester 5B-20-				
	epoxy-1B,2a,4a,7B,9a,10a,13a-				
	heptahydroxy-4,10-diacetate-2-				
	benzoate-(1"S)-7,9-acrolein			Treatment of progressive	Cortice Biosciences,
	, , ,	n/a	6/23/2014	supranuclear palsy	Inc.
2340	Anti-eTau Humanized IgG4	Πγα		Treatment of Progressive	Britol-Myers Squibb
2540	Monoclonal Antibody	n/a		Supranuclear Palsy	Company
2341	recombinant humanized anti-	117 G	3/13/2013	Treatment of progressive	Company
	tau antibody	n/a	1/22/2015	supranuclear palsy	AbbVie, Inc.
2342	,	, .	, ,	Treatment of progressive	
	tolfenamic acid	n/a	7/13/2016	supranuclear palsy	Nasser H. Zawia
2343					
	5-(3-ethyl-1,2,4-oxadiazol-5-yl)-				
	1,4,5,6-tetrahydropyrimidine			Treatment of progressive	
	hydrochloride	n/a	4/18/2011	supranuclear palsy.	Mithridion, Inc.
2344	competetive small molecule				
	inhibitor of the enzyme O-			Treatment of progressive	Merck & Company,
	GlcNAcase	n/a	3/10/2016	supranuclear palsy.	Inc.
2345				Treatment of progressive	Allon Therapeutics,
	davunetide	n/a	12/7/2009	supranuclear palsy.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2346				Treatment of prolymphocytic	
	blinatumomab	n/a	5/16/2008		Amgen, Inc.
2347				Treatment of pro-	
				opiomelanocortin (POMC)	
				deficiency due to mutations in	Rhythm
	set melanotide	n/a	4/4/2016	the POMC gene	Pharmaceuticals, Inc.
2348	3-{3-[4-(1-				
	aminocyclobutyl)phenyl]-5-				
	phenyl-3H-imidazo[4,5-				
	b]pyridin-2-yl}cpyridin-2-				
	amine bis-mesylate	n/a	11/9/2015	Treatment of Proteus Syndrome.	ArQule, Inc.
2349					
				Treatment of Protocadherin 19	Marinus
	ganaxolone	n/a	3/24/2015	(PCDH19) female epilepsy.	Pharmaceuticals, Inc.
2350					
				Treatment of pruritus in patients	
	Buffered Ursodeoxycholic Acid	Ursocarb	9/3/2004	with Alagille Syndrome	Digestive Care, Inc.
2351				Treatment of Pseudomonas	
				aeruginosa lung infections in	
	Fenretinide	n/a	4/7/2010	cystic fibrosis patients	McGill University
2352					
				Treatment of Pseudomonas	
	(E, Z)-4,5,9-trithiadodeca-1, 6,			aeruginosa pulmonary infections	
	11-triene 9-oxide (Ajoene)	n/a	4/21/2016	in cystic fibrosis patients	Neem Biotech Ltd.
2353					
				Treatment of Pseudomonas	
				aeruginosa pulmonary infections	
	sodium nitrite and EDTA	n/a	11/10/2015	in patients with cystic fibrosis	Arch Biopartners, Inc.
2354	recombinant human GM-CSF,			Treatment of pulmonary alveolar	
	molgramostim	n/a	10/31/2012	proteinosis	Savara Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2355					
				Treatment of pulmonary and	
	Disaccharide tripeptide			hepatic metastases in patients	ImmunoTherapeutics,
	glycerol dipalmitoyl	Immther	3/1/1990	with colorectal adenocarcinoma.	Inc.
2356					
	(6) 2 (12 14 115 112 4				
	(S)-3-((3-(1-((6-((3,4-				
	dimethoxyphenyl)pryazin-2-			Treatment of autorial	
	yl)amino)ethyl)phenyl)carbam	n /n	11/17/2014	Treatment of pulmonary arterial	Dulm akina Ina
2357	oyl)-5-methylpridin-1-ium	n/a	11/1//2014	hypertension	Pulmokine, Inc.
2337				Treatment of pulmonary arterial	PR Pharmaceuticals,
	2-methoxyestradiol	Pulmolar	4/11/2005	hypertension	Inc.
	2-{[(1r,4r)-4-(((4-	Tulliolai	4/11/2003	nypertension	IIIC.
2330	chlorophenyl)(phenyl)carbamo				
	yloxy)methyl)cyclohexy]metho			Treatment of pulmonary arterial	Arena
		n/a	8/28/2014	hypertension	Pharmaceuticals, Inc.
2359	ambrisentan/tadalafil fixed	,		Treatment of pulmonary arterial	,
	combination	n/a	8/22/2016	hypertension	Gilead Sciences, Inc.
2360				Treatment of pulmonary arterial	Mondobiotech
	aviptadil	n/a	2/22/2005	hypertension	Laboratories AG
2361					
				Treatment of pulmonary arterial	Reata
	bardoxolone	n/a	3/30/2015	hypertension	Pharmaceuticals, Inc.
2362				Treatment of pulmonary arterial	
	beraprost sodium 314d	n/a	12/22/2011	hypertension	Lung Rx, Inc.
2363				Treatment of pulmonary arterial	Algorithum Sciences,
	iloprost	n/a	4/6/2012	hypertension	LLC
2364				Treatment of pulmonary arterial	
	lisuride	n/a	1/17/2013	hypertension	Sinoxa Pharma GmbH
2365				Treatment of pulmonary arterial	Bellerophon
	nitric oxide	Inomax	12/28/2011	hypertension	Therapeutics

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2366					
				' '	Airess
	sodium nitrite	n/a	7/8/2008	hypertension	Pharmaceuticals, Inc.
2367				·	Stanford University
	tacrolimus	n/a	5/4/2015	hypertension	School of Medicine
2368				Treatment of pulmonary arterial	
	tiprelestat	Elafin	12/28/2012	hypertension	Proteo Biotech AG
2369					
	treprostinil sodium solution				
	enclosed within a pre-filled,				
	pre-programmed, single-use,				
	electronically-controlled	,	40/00/004	'	SteadyMed
2070	infusion pump	n/a	12/29/2015	hypertension	Therapeutics
2370	(C) 0 (2 April 2 C (4 (5 ablana				
	(S)-8-{2-Amino-6-[1-(5-chloro- biphenyl-2-yl)-(R)-2,2,2-				
	trifluoro-ethoxy]-pyrimidin-4-				
	yl}-2,8-diaza-spiro[4.5]decane-			Treatment of nulmanami artarial	KAROS
	3-carboxylic acid ethyl ester	n/a	10/6/2015	Treatment of pulmonary arterial hypertension (PAH).	
2371	3-carboxylic acid ethyl ester	П/а	10/6/2015	nypertension (PAH).	Pharmaceuticals, Inc.
23/1					
				Treatment of pulmonary arterial	
				hypertension associated with any	
				New York Heart Association	
	Beraprost	n/a	1/20/1000	classification (Class I, II, III, or IV).	LungRy Inc
2372	Derupiost	nij u	+/ 23/ 1333	ciassification (ciass i, ii, iii, or iv).	Lungilla, inc.
23/2	vasoactive intestinal peptide				
	(VIP)-elastin-like peptide (ELP)			Treatment of pulmonary arterial	PhaseBio
	fusion protein	n/a	5/13/2014	hypertension, WHO Group 1	Pharmaceuticals, Inc.
2373	- Colon protein	···/ ~	3/13/2014	Treatment of pulmonary arterial	. Harmaccaticals, inc.
	Angiotensin-(1-7)	n/a	9/13/2011	hypertension.	US Biotest, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2374				Treatment of pulmonary arterial	
	tacrolimus	n/a	3/16/2015	hypertension.	Selten Pharma, Inc.
2375					Eiger
				Treatment of pulmonary arterial	BioPharmaceuticals,
	ubenimex	n/a	11/19/2015	hypertension.	Inc.
2376				Treatment of pulmonary fungal	
	itraconazole inhalation			infections in patients with cystic	
	powder	n/a	8/16/2016		Pulmatrix, Inc
2377				Treatment of pulmonary	
				infections associated with cystic	CURx
	fosfomycin/tobramycin	n/a	11/28/2008	fibrosis	Pharmaceuticals, Inc.
2378				Treatment of pulmonary	
				infections caused by	
	temocillin sodium	Negaban	4/21/2004	Burkholderia cepacia	Belpharma S.A.
2379					
				Treatment of pulmonary	
				infections due to Pseudomonas	
				aeruginosa and other bacteria in	
				patients with cystic fibrosis	Forest Research
	Levofloxacin	n/a	2/27/2008	patients	Institute, Inc.
2380					
				Treatment of pulmonary	
	poly-N,N'-			infections in patients with cystic	
	hexamethyleneguanidine-poly-			fibrosis including infections due	
	N1,N4-			to pseudomonas	
	hexamethyleneaminoguanidin			aeruginosa,Burkholderia cepacia	
	e	n/a	4/5/2016	and other bacteria	TGV-Inhalonix, Inc.

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2381					
	(R)-2-methyl-6-nitro-2-{4-[4-(4-				
	trifluoromethoxyphenoxy)pipe				Otsuka
	ridin-1-yl]phenoxymethyl}-2,3-			Treatment of pulmonary	Pharmaceutical
	dihydroimidazo[2,1-b]oxazole	n/a	7/12/2007	tuberculosis.	Company, Ltd
2382				Treatment of pulmonary	PathoGenesis
	Rifalazil	n/a	4/13/1999	tuberculosis.	Corporation
2383	eptifibatide and iloprost	n/a	4/20/2012	Treatment of purpura fulminans	Thrombologic
2384	eptimodride and noprose	,	1, 20, 2012	Treatment of pyoderma	Tim emiseregie
	gevokizumab	n/a	2/21/2014	gangrenosum	XOMA (US) LLC
2385					
				Treatment of pyridoxine	NBI Pharmaceuticals,
	pyridoxine; vitamin B6	n/a	3/3/2011	dependent seizures.	Inc.
2386	allosteric activator of the red				
	blood cell-specific form of	n/a	2/24/2015	Treatment of pyruvate kinase	Agios
2387	pyruvate kinase	n/a	3/24/2015	deficiency	Pharmaceuticals, Inc. Centro de
2367	lentiviral vector containing the				Investigacion
	human liver and erythroid			Treatment of pyruvate kinase	Biomedica en RED
	pyruvate kinase gene	n/a	3/23/2016	deficiency.	(CIBER)
2388					
	PyNTTTTGT class of				
	oligodeoxynucleotide with a				
	24-base single chain composed				
	of nucleotide sequence 5'TCATCATTTTGTCA			Treatment of rabics virus	Mid-Atlantic
	TT 3'	Imt504	11/24/2014	Treatment of rabies virus	BioTherapeutics, Inc.
	113	11111307	11/24/2014	111100113	bio incrapeatics, inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2389					
				Treatment of rare congenital	
				ichthyoses (CHILD syndrome,	
				collodion baby, congenital	
				ichthyosform erythroderma,	
				Conradi-flunermann,	
				epidermolytic hyperkeratosis,	
				erythrokeratoderma variabilis,	
				harlequin ichthyosis, KID	
				syndrome, lamellar ichthyosis,	
				Netherton syndrome, neutral	
				lipid storage disease, Sjorgren-	
				Larsson syndrome,	
		/ a	11/7/2011	trichothiodystrophy, X-linked	0
2200	urea	n/a	11/7/2011	ichthyosis). Treatment of rare congenital	Orenova Group, LLC
2390	caliculia acid CO/		2/17/2012	ı	Oromova Crova IIC
2391	salicylic acid 6% Humanized anti-CD3	n/a	2/17/2012	ichthyoses. Treatment of recent-onset Type I	Orenova Group, LLC
2391	monoclonal antibody	n/a	9/29/2006		MacroGenics, Inc.
2392	monocional antibody	li/a	3/23/2000	ulabetes	iviaciodenics, inc.
2392				Treatment of recurrent acute	Jazz Pharmaceuticals,
	Clonazepam Intranasal Spray	n/a	12/19/2007	repetitive seizures	Inc.
2393	elonazepani intranasar spray	in a	12/13/2007	Treatment of recurrent	ine.
2333	encapsulated spores from			Clostridium difficile infection	
	fecal microbiota	n/a	8/19/2015		Seres Health, Inc.
2394			., .,		,
				Treatment of recurrent	
				Clostridium difficile infection	
				(Clostridium difficile	
	fecal microbiota	n/a	3/10/2014	gastrointestinal disease)	Rebiotx, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2395					
				Treatment of recurrent corneal	
				erosion unresponsive to	Holles Laboratories,
	Dextran 70	Dehydrex	3/5/1990	conventional therapy.	Inc.
2396					
	Recombinant fusion protein of				StressGen
	Mycobacterium bovis BCG			Treatment of recurrent	Biotechnologies, Inc.
	Hsp65 and HPV16 E7	n/a	3/19/2001	respiratory papillomatosis (RRP)	is now Nventa
2397				Treatment of refractory	
		,	. /	glaucoma as an adjunct to ab	
	Mitomycin-C	n/a	8/20/1993	externo glaucoma surgery.	IOP Inc.
2398	20			Treatment of neural cell	
	20-mer oligonucleotide	n /n	12/1/2004	Treatment of renal cell	Davaha Camanatian
2399	complementary to Akt mRNA antiangiogenic components	n/a	12/1/2004	carcinoma	Rexahn Corporation
2399	extracted from marine			Treatment of renal cell	
	cartilage	Neovastat (Ae-941)	10/16/2002		AEterna Zentaris, Inc.
2400	autologous tumor-derived	recovastat (ric 541)	10/10/2002	Carcinoma	Acterna Zeritaris, inc.
2100	gp96 heat shock protein-			Treatment of renal cell	
	peptide complex	Oncophage	5/10/2002	carcinoma	Agenus, Inc.
2401		1 0			,
	Nucleic acid aptamer binding			Treatment of renal cell	
	to tumor cell nucleon	n/a	7/28/2005	carcinoma	Antisoma Inc.
2402					Solbec
				Treatment of renal cell	Pharmaceuticals
	Solasonine and solamargine	Coramsine	11/2/2005	carcinoma	Limited
2403				Treatment of renal cell	
	Autolymphocyte therapy	n/a	7/12/1994	carcinoma.	Cytogen Corporation
2404				Treatment of renal cell	
	Coumarin	Onkolox	12/22/1994	carcinoma.	Drossapharm LTD

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2405					
	DNA-lipid complex				
	(DMRIE/DOPE)/plasmid vector			Treatment of renal cell	
	(VCL-1102, Vical) expressing human interleukin-2	Leuvectin	4/29/2000	carcinoma.	Vical Incorporated
2406	numan interieukin-2	Leuvectiii	4/28/2000	carcinoma.	vicai ilicoi porateu
2400				Treatment of renal cell	Wilex Biotechnology
	Girentuximab	Rencarex	3/22/2001	carcinoma.	GmbH
2407	Interferon alfa-2a		3, ==, =00=	Treatment of renal cell	Hoffmann-La Roche,
	(recombinant)	Roferon-A	4/18/1988	carcinoma.	Inc.
2408				Treatment of renal cell	Horizon Pharma
	Interferon gamma-1b	Actimmune	12/4/1995	carcinoma.	Ireland Limited
2409				Treatment of renal cell	Hoffman-La Roche
	Peginterferon alfa-2a	Pegasys		carcinoma.	Inc.
2410				Treatment of renal cell	Hemispherx
	Poly I: poly C12U	Ampligen		carcinoma.	Biopharma, Inc.
2411	Recombinant human			Treatment of renal cell	Genetics Institute,
	interleukin-12	n/a	10/20/1997		Inc.
2412		,	2/44/2042	Treatment of respiratory distress	Beena G. Sood, MD,
2442	aerosolized beractant	n/a	3/11/2013	syndrome	MS
2413				Treatment of respiratory distress	Windtree
	Lucinactant	Surfaxin	10/19/1005	syndrome in premature infants.	Therapeutics, Inc.
2414	Lucinactant	Surraxiii	10/ 16/ 1993	syndrome in premature imants.	merapeutics, inc.
2717				Treatment of respiratory	
				syncytial virus lower respiratory	
	Respiratory Syncytial Virus			tract infections in hospitalized	
	Immune Globulin (human)	Hypermune Rsv	9/27/1990	infants and young children.	MedImmune, Inc.
2415				. 5	Amarantus
	mesencephalic, astrocyte-			Treatment of retinal artery	BioScience Holdings,
	derived neurotrophic factor	n/a	9/10/2015	occlusion.	Inc.

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2416	His-His- Ile-Tyr-Leu-Gly-Ala-Val-				
	Asn-Tyr-Ile-Tyr-NH2	n/a	1/13/2016	Treatment of retinal detachment	ONL Therapeutics, Inc
2417	His-His-Ile-Tyr-Leu-Gly-Ala-Val-				
	Asn-Tyr-Ile-Tyr	n/a	3/11/2013	Treatment of retinal detachment	ONL Therapeutics, Inc
2418					
	(2E, 4E, 6Z, 8E)-3,7-dimethyl-9-				
	(2,6,6-trimethylcyclohex-1-en-l-				
	yl) nona-2,4,6,8-tetraen-l-yl			Treatment of retinitis	
		n/a	12/2/2010	pigmentosa	QLT Inc.
2419	4-[(2E)-1-Oxo-3-(2,6,6-				
	trimethyl-1-cyclohexen-1-yl)-2-				
	propen-1-yl]-1-			Treatment of retinitis	
	•	n/a	2/8/2016	pigmentosa	Shire HGT, Inc.
2420	adeno-associated viral vector				
	containing DNA encoding an				
	RNAi targeting rhodopsin in				
	combination with an adeno-				
	associated viral vector				
	containing DNA encoding a				Genable Technologies
	rhodopsin gene	n/a	12/13/2012	treatment of retinitis pigmentosa	Limited
2421					
	all-cis-docosa-4,7,10,13,16,19-			Treatment of retinitis	
	hexaenoic acid	Retriacyl	5/21/2014	pigmentosa	Natac Pharma, S.L.
2422					
	Allogeneic retinal epithelial				
	cells transfected with plasmid				
	vector expressing ciliary			Treatment of retinitis	
	neurotrophic growth factor	n/a	9/1/2004	pigmentosa	Neurotech USA, Inc.
2423					
	expanded human allogeneic				
	neural retinal progenitor cells			Treatment of retinitis	
	extracted from neural retina	n/a	8/22/2013	pigmentosa	ReNeuron Ltd

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2424					
	human recombinant				Amarantus
	mesencephalic, astrocyte			Treatment of retinitis	BioScience Holdings,
	derived neurotrophic factor	n/a	12/22/2014	pigmentosa	Inc.
2425				Treatment of retinitis	
	human retinal progenitor cells	n/a	7/23/2012	pigmentosa	jCyte, Inc.
2426				Treatment of retinitis	
	N-acetyl cysteine amide	n/a	12/31/2013	pigmentosa	Brighton Biotech, Inc.
2427					
	non-replicating recombinant				
	adeno-associated virus vector				
	containing a fragment of the				
	gene encoding			Treatment of retinitis	RetroSense
	channelrhodopsin-2 protein	n/a	10/20/2014	pigmentosa	Therapeutics, LLC
2428	recombinant human nerve			Treatment of retinitis	
	growth factor	n/a	8/8/2013	pigmentosa	Dompe s.p.a.
2429					
	recombinant human proinsulin			Treatment of retinitis	ProRetina
	(Including rhPI-Methionine)	n/a	12/10/2008	pigmentosa	Therapeutics, S.L.
2430					
	recombinant lens epithelium			Treatment of retinitis	
	derived growth factor 1-326	n/a	5/19/2014	pigmentosa	Ocugen, Inc.
2431				Treatment of retinitis	
	unoprostone isopropyl	Rescula	9/16/2010	pigmentosa	R-Tech Ueno, Ltd.
2432				Treatment of retinitis	Vitreo Retinal
	Urea for intravitreal injection	Neurosolve	12/14/2005	pigmentosa	Techologies, Inc
2433					
				Treatment of retinitis	
	Lentiviral vector containing the			pigmentosa associated with	Sanofi US Services,
	human MY07A gene	Ushstat(Tm)	5/17/2010	Usher syndrome 1B gene defect.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2434					
	adeno-associated viral vector				
	type 2 expressing human			Treatment of Retinitis	
	recombinant retinal pigment			Pigmentosa due to autosomal	Spark Therapeutics,
	epithelial 65KDa protein gene	n/a	3/18/2015	recessive RPE65 gene mutations	Inc.
2435					
	adenovirus-associated viral			Treatment of retinitis	
	vector serotype 5 containing	/ -	7/5/2016	pigmentosa due to pde6B gene	LIODANAA CAC
2426	the human pde6B gene	n/a	//5/2016	mutations	HORAMA, SAS
2436	melphalan	n/a	11/10/2012	Treatment of retinoblastoma	Icon Bioscience, Inc.
2437	Перпаан	iiy a	11/13/2012	Treatment of retinoblastoma	Cellceutix
	thioureidobutyronitrile	Kevetrin	11/17/2015	Treatment of retinoblastoma.	Corporation
2438	3-chloro-4-fluorophenyl-[4-	noved iii	==,=:,====		ос. роташен.
	fluoro-4-[[(5-methylpyrimidin-				
	2-				
	ylmethyl)amino]methyl]piperi				
	din-1yl]methanone	n/a	10/25/2013	Treatment of Rett syndrome	Neurolixis, Inc.
2439					
					Sigma-Tau
	acetyl-l-carnitine (ALC)	n/a	3/18/2011	Treatment of Rett syndrome	Pharmaceuticals, Inc.
2440					
	glycyl-L-2-methylpropyl-L-	,			Neuren
2111	glutamic acid	n/a	2/11/2015	Treatment of Rett syndrome	Pharmaceuticals, Ltd.
2441					Edican
	vatiguinono	Vincerinone	11/17/2014	Treatment of Bott syndroms	Edison
2442	vatiquinone	vincermone	11/1//2014	Treatment of Rett syndrome	pharmaceuticals, Inc.
Z44Z	(2,2-diphenyl-tetrahydro-furan-				
	3-yl-methyl)-dimethylamine				Anavex Life Sciences
	hydrochloride	n/a	E /10/2016	Treatment of Rett Syndrome.	Corporation

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2443					
	mecasermin, recombinant				Keck Graduate
	human insulin-like growth				Institute of Applied
	factor-1	Increlex	9/21/2015	Treatment of Rett Syndrome.	Life Sciences
2444					Newron
			7/7/2045		Pharmaceuticals US,
2445	sarizotan	n/a	///2015	Treatment of Rett syndrome.	Inc.
2445					A
		n /a	0/0/2006	Tuestine and of source decis	Autoimmunity
2446	Clindamycin hydrochloride	n/a	8/9/2006	Treatment of sarcoidosis	Research Foundation
2440					Autoimmunity
	Minocycline hydrochloride	n/a	3/28/2006	Treatment of sarcoidosis	Research Foundation
2447	L-pyr-L-glu-L-gln-L-leu-L-glu-L-	i i y u	3/26/2000	Treatment of surcoldosis	Research Foundation
2447	arg-L-ala-L-leu-L-asn-L-ser-L-				Araim
	ser	n/a	6/13/2016	Treatment of sarcoidosis.	Pharmaceuticals, Inc.
2448		,			Mondobiotech
	thymopentin	n/a	2/4/2011	Treatment of sarcoidosis.	Laboratories AG
2449					
	angiotensin 1-7	n/a	1/29/2010	Treatment of sarcoma.	W. Jeffrey Petty, MD
2450	N-Hydroxy-4-(3-methyl-2-				
	(S)phenyl-			Treatment of Schwannoma of	Arno Therapeutics,
	butyrylamino) benzamide	n/a	1/13/2012	the central nervous system	Inc.
2451					
	humanized, afucosylated IgG1				
	kappa monoclonal antibody	n/a	12/3/2009	Treatment of scleroderma	MedImmune
2452					
					McGuff
	Ascorbic acid	Ascor L 500	8/31/2007	Treatment of scurvy	Pharmaceuticals Inc.
2453		/= \	. 10 1:	Treatment of secondary	C. T. Development
	Eprodisate	Kiacta(Tm)	4/6/1999	amyloidosis	America, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2454	N-tert-butyl-3-[5-methyl-2-{[4-				
	(2-pryyolidin-1-				
	ylethoxy)phenyl]amino}pyrimi				
	din-4-yl-amino]				
	benzenesulfonamide			Treatment of secondary and	Sanofi-Aventis US,
2455	dihydrochloride monohydrate	n/a	5/18/2009	primary myelofibrosis	LLC a Sanofi company
2455				Treatment of seizure prolongation in patients	
				undergoing electroconvulsive	Luitpold
	caffeine and sodium benzoate	n/a	8/22/2012		Pharmaceuticals, Inc.
2456					
				Treatment of seizures induced by	
	midazolam	n/a	2/8/2016	organophosporous insecticide poisoning.	Meridian Medical Technologies, Inc.
2457	Dehydroepiandrosterone	iių u	2/0/2010	Treatment of serious burns	reciniologics, me.
	sulfate sodium	n/a	1/29/1997	requiring hospitalization.	Pharmadigm, Inc.
2458					
				Treatment of severe aphthous	
				stomatitis in severely, terminally	Frontier
	Lactic acid	Aphthaid	6/29/1999	immunocompromised patients.	Pharmaceutical, Inc.
2459				Treatment of severe burns	
	Poloxamer 188	Florcor	2/22/1990	requiring hospitalization.	CytRx Corporation
2460	autologous CD24+ hono				
	autologous CD34+ bone marrow derived stem cells				
	transduced with a self-				
	inactivating gammaretroviral				
	vector encoding the human			Treatment of severe combined	Boston Children's
	IL2RG (yc)	n/a	1/15/2015	immune deficiency-X1	Hospital

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2461					
	autologus CD34+ cells				
	transfected with retroviral			Treatment of severe combined	
	vector containing adenosine			immunodeficiency due to	
	deaminase gene	n/a	8/26/2009	adenosine deaminase deficiency.	Glaxo Group Limited
2462					
					Laboratoire francais
				Treatment of severe congential	du Fractionnement et
	human coagulation factor XI	Hemoleven	11/8/2007	Factor XI deficiency.	des Biot
2463					Warner-Lambert
	Enadoline hydrochloride	n/a	1/28/1997	Treatment of severe head injury.	Company
2464					
				Treatment of severe intrapartum	
				hypertension (diastolic blood	
				pressure greater than or equal to	
				110 or systolic blood pressure	
				greater than or equal to 160)	
				associated with severe	
				preeclampsia/eclampsia of	Bioniche Pharma USA
	Hydralazine	n/a	4/9/2004	pregnancy	LLC
2465				Treatment of severe	
				keratoconjunctivitis sicca	
				associated with Sjogren's	
	Cyclosporine ophthalmic	Optimmune	11/9/1988	syndrome.	University Of Georgia
2466		Hepatassist Liver Assist			
	Xenogeneic hepatocytes	System	11/27/1998	Treatment of severe liver failure.	Circe Biomedical, Inc.
2467				Treatment of severe	Salupont Consulting
	S-nitrosoglutathione	n/a	12/28/2012	preeclampsia	Ltd
2468				Treatment of severe	
	digoxin immune fab (ovine)	n/a	2/3/2012	preeclampsia and eclampsia	Velo Bio, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2469					
				Treatment of severe recurrent	
				aphthous stomatitis in severely,	
				terminally immunocompromised	
	Thalidomide	n/a	5/1/1995		Celgene Corporation
2470				Treatment of Shiga-Toxin	
				producing escherichia coli	Alexion
	eculizumab	Soliris	10/18/2011	hemolytic uremic syndrome	Pharmaceuticals, Inc.
2471	l		s /	Treatment of short bowel	Sancilio and
2.472	docosahexaenoic acid	n/a	6/1/2015	syndrome	Company, Inc.
2472	L In Control		4/5/2045	Treatment of short bowel	NI 1222 III
2.470	human insulin (rDNA)	n/a	4/6/2015	syndrome (SBS).	Nutrinia, Ltd.
2473	recombinant fusion protein			Tuestine subject of the out because	NIAIA
	comprising exenatide and XTEN		10/7/2015	Treatment of short bowel	NAIA
2474	ATEN	n/a	10/7/2015	syndrome.	Pharmaceuticals, Inc.
24/4				Treatment of short-bowel	
				syndrome as a result of resection	
				of the small bowel or as a result	
	Recombinant human insulin-			of congenital dysfunction of the	
	like growth factor-I	Pv802	2/16/2000		GroPep Pty Ltd.
2475	IIIVE PLOMELLINGTOL I	1 1002	2/10/2000		Crof Cp i ty Ltd.
2173	Polymeric oxygen	n/a	3/25/1992	Treatment of sickle cell anemia.	Capmed USA
2476	5-hydroxymethyl-2-				
	furfuraldehyde	n/a	5/26/2006	Treatment of sickle cell disease	Baxalta US, Inc.
2477	6-((3S,4S)-4-Methyl-1-				
	pyrimidin-2-ylmethyl-				
	pyrrolidin-3-yl-1-(tetrahydro-				
	pyran-4-yl)-1,5-dihydro-				
	pryazolo[3,4-d]pyrimidin-4-				
	one	n/a	9/4/2014	Treatment of sickle cell disease	Pfizer, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2478					Hillhurst
					Biopharmaceuticals,
	carbon monoxide	n/a	9/28/2012	Treatment of sickle cell disease	Inc.
2479					Sancilio & Company,
		n/a	4/27/2015	Treatment of sickle cell disease	Inc.
2480	dodecafluoropentane				
		n/a	2/11/2016	Treatment of sickle cell disease	NuvOx Pharma
	extract of sorghum bicolor				
	extract	n/a	11/19/2012	Treatment of sickle cell disease	Invenux, LLC
2482					BioProducts
	human haptoglobin	n/a	11/19/2013	Treatment of sickle cell disease	Laboratory Limited
2483					
	L-glutamine	n/a	8/1/2001	Treatment of sickle cell disease	Emmaus Medical, Inc.
2484					Xechem
	niprisan	Hemoxin	8/15/2003	Treatment of sickle cell disease	International, Inc.
2485					
	oral unfractionated heparin	n/a	1/29/2004	Treatment of sickle cell disease	TRF Technologies, Inc.
2486					
	1 0 /	Effient	5/26/2015	Treatment of sickle cell disease	Eli Lilly
2487	recombinant humanized IgG1k				
	monoclonal antibody to				
	human invariant T cell	,			NKT Therapeutics,
0.455	receptor (iTCR)	n/a	4/12/2013	Treatment of sickle cell disease	Inc.
2488		,	2/47/2247		
0.105	sevuparin	n/a	3/17/2015	Treatment of sickle cell disease	Dilaforette AB
2489	2 1 1 2 6 1/2 1/1 :				
	2-hydroxy-6-((2-(1-isopropyl-			T	
	1H-pyrazol-5-yl)pyridin-3-yl)	/ -	42/20/2045	Treatment of sickle cell disease	Global Blood
	methoxy)benzaldehyde	n/a	12/29/2015	(SCD).	Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2490				Treatment of sickle cell disease	
				(this includes the treatment and	
				prevention of complications of	Mast Therapeutics
	poloxamer 188 (purified)	n/a	6/27/1989	sickle cell disease)	Inc.
2491					
				Treatment of sickle cell disease	Alpha Therapeutic
	Isobutyramide	n/a	5/25/1994	and beta thalassemia.	Corporation
2492	to decrease to a 2d a			T	add a desa
	hydroxycarbamide	Siklos	7/24/2012	Treatment of sickle cell disease in	
2493	(hydroxyurea)	SIKIUS	7/24/2013	patients under 18 years of age	Laboratories
2433	Bis(4-				
	fluorophenyl)phenylacetamide	n/a	3/2/2000	Treatment of sickle cell disease.	ICAgen Inc.
2494					
	Clotrimazole	n/a	4/24/1995	Treatment of sickle cell disease.	Brugnara, Carlo M.D.
2495					Vanguard
	pentosan polysulfate sodium	n/a	9/16/2011	Treatment of sickle cell disease.	Therapeutics, Inc.
2496	mantasan malusulfata aadium	n /n	11/21/2000	Treatment of sields cell discose	TDE Dhawaa laa
2497	pentosan polysulfate sodium	n/a	11/21/2008	Treatment of sickle cell disease.	TRF Pharma, Inc.
2437					HemaQuest
	sodium 2, 2 dimethylbutyrate	n/a	7/25/2008	Treatment of sickle cell disease.	Pharmaceuticals, Inc.
2498	, ,	,			,
				Treatment of single or mixed	
				gastrointestinal infestations by	
				Trichuris trichiura (whipworm),	1
				Ascaris lumbricoides (large	Janssen
		Vermox 500 Mg Chewable		roundworm), and Ancylostoma duodenale and Nectar	Pharmaceutical Research &
	mebendazole	Tablets	9/3/2014	americanus (hookworm).	Development, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2499				Treatment of single ventricle	
				congenital heart disease with	Mezzion Pharma Co.
	udenafil	n/a	8/31/2015	Fontan physiology	Ltd.
2500	allantoin	Alwextin	11/21/2002	Treatment of skin blistering and erosions associated with inherited epidermolysis bullosa	Scioderm, Inc.
2501	tasimelteon	n/a	4/30/2010	Treatment of sleep-wake disorder in Smith-Magenis syndrome associated with diurnal melatonin secretion	Vanda Pharmaceuticals, Inc.
2502	aldoxorubicin	n/a	9/24/2014	Treatment of small cell lung cancer	CytRx Corporation
2503	alisertib	n/a	7/12/2013	Treatment of small cell lung cancer	Millennium Pharmaceuticals, Inc.
2504	MN14 monoclonal antibody to carcinoembryonic antigen	Cea-Cide	9/18/1998	Treatment of small cell lung	Immunomedics, Inc.
2505	Picoplatin	n/a	11/2/2005	Treatment of small cell lung	Poniard Pharmaceuticals
2506	Re188 P2045 somatostatin analog	n/a	2/6/2014	Treatment of small cell lung cancer	Andarix Pharmaceuticals
2507	rovalpituzumab tesirine	n/a	12/22/2015	Treatment of small cell lung cancer	AbbVie Stemcentrx, LLC
2508	sacituzumab govitecan	n/a	11/27/2013	Treatment of small cell lung cancer	Immunomedics, Inc.
2509	tarextumab	n/a	1/26/2015	Treatment of small cell lung cancer	OncoMed Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2510	(R)-4-(3-morpholin-4-yl-1-				
	phenylsulfanylmethyl-				
	propylamino)-N-(4-{4-[2-(4-				
	chlorophenyl)-5,5-				
	dimethylcyclohex-1- enylmethyl]-piperazin-1-yl}-				
	benzoyl)-3-				
	trifluoromethanesulfonylbenze				
	nesulfonamide bis-			Treatment of small cell lung	
	hydrochloride	n/a	12/19/2007	I -	AbbVie, Inc
2511	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-, -	==, ==, ====		
	7-ethyl-10-			Treatment of small cell lung	Nippon Kayaku Co.,
	hydroxycamptothecin (EHC)	n/a	4/13/2016	cancer.	Ltd.
2512				Treatment of small cell lung	Bristol-Myers Squibb
	nivolumab	n/a	9/15/2015	cancer.	Company
2513					
	lodine I 131 bis(indium-				
	diethylenetriaminepentaacetic				
	acid)tyrosyllysine/hMN-14 x			Treatment of small call lives	IDC Dharmanauticala
	m734 F(ab')2 bispecific monoclonal antibody	Dontocco	2/22/2000	Treatment of small-cell lung	IBC Pharmaceuticals, L.L.C.
2514	monocional antibody	Pentacea	2/22/2000	cancer.	SIGA Technologies,
2314	tecovirimat	n/a	12/27/2006	Treatment of smallpox.	Inc.
2515	tecoviiiiiat	11/ d		Treatment of soft tissue and	Bristol-Myers Squibb
2313	ifosfamide	n/a		bone sarcomas	Company
2516	(1-methyl-2-nitro-1H-	, .	0, 1, 1300		
	imidazole-5-yl)methyl N,N'-				
	bis(2-bromoethyl)				Threshold
	diamidophosphate	n/a	3/9/2012	Treatment of soft tissue sarcoma	Pharmaceuticals, Inc.
2517	(6-				
	maleimidocaproyl)hydrazone				
	of doxorubicin	n/a	6/29/2011	Treatment of soft tissue sarcoma	CytRx Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2518	5				
	5-imino-13-deoxydoxorubicin HCl	n/a	12/21/2015	Treatment of soft tissue sarcoma	Gem
2519	inci	ii/a	12/31/2013	Treatment of sort tissue sarcoma	Filarifiaceuticais, LLC
	combinatorial regimen of				
	LV305 (lentiviral vector				
	encoding NY-ESO-1 gene) and				
	G305 (NY-ESO-1 recombinant	/a	F /2 /2016	Tarakaran katan tahun ang ang ang	Inches Decima Com
2520	protein plus GLA-SE)	n/a	5/2/2016	Treatment of soft tissue sarcoma	immune Design Corp.
2320					AROG
	crenolanib	n/a	3/18/2011	Treatment of soft tissue sarcoma	Pharmaceuticals, LLC
2521					
	granulocyte-macrophage				
	colony stimulating factor- coding oncolytic adenovirus,				
	Ad5/3-D24-GMCSF	n/a	7/24/2013	Treatment of soft tissue sarcoma	Oncos Therapeutics
2522	,	,	, ,		
	Humanized monoclonal				
	antibody to TumorEndothelial	,	. /20 /20		
2523	Marker-1	n/a	4/29/2011	Treatment of soft tissue sarcoma	Morphotek Epeius
2525					Biotechnologies
	Mx-dnG1	Rexin-G(R)	6/24/2008	Treatment of soft tissue sarcoma	Corporation
2524					
	olaratumab	n/a	10/9/2014	Treatment of soft tissue sarcoma	Eli Lilly and Company
2525	and the N (2				
	ombrabulin; N-{2-methoxy-5- [(Z)-2-(3,4,5-				
	trimethozyphenyl)vinyl]phenyl				Sanofi-Aventis U.S.,
	}-L-serinamide hydrochloride	n/a	3/3/2011	Treatment of soft tissue sarcoma	

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2526					Karyopharm
	selinexor	n/a	7/7/2016	Treatment of soft tissue sarcoma	Therapeutics, Inc.
2527	Yttrium(90Y)-DTPA- radiolabelled chimeric				
	monoclonal antibody against				OncoTherapy Science,
	frizzled homologue 10	n/a	12/3/2012	Treatment of soft tissue sarcoma	Inc.
2528	mizzica nomologae 10	ii) a	12/3/2012	Treatment of soft tissue surcoma	inc.
2520					
	(S)-N-(5-((R)-2-(2,5-				
	difluorophenyl)pyrrolidin-1-				
	yl)pyrazolo[1,5-a]pyrimidin-3-				
	yl)-3-hydroxypyrrolidine-1-			Treatment of soft tissue	
	carboxamide hydrogen sulfate	n/a	8/31/2015	sarcoma.	Loxo Oncology, Inc.
2529	, g	,			077
	Autologous CD4+/CD8+ T cells				
	transduced with lentiviral				
	vector directed against the NY-			Treatment of soft tissue	
	ESO-1 protein	n/a	3/28/2016	sarcoma.	Adaptimmune, LLC
2530	dendritic-cell targeting,				
	lentiviral vector encoding the			Treatment of soft tissue	
	NY-ESO-1 gene	n/a	1/6/2016	sarcoma.	Immune Design Corp.
2531	Human/Murine Chimeric				
	Monoclonal antibody to			Treatment of soft tissue	Tracon
	Endoglin	n/a	1/20/2016	sarcoma.	Pharmaceuticals, Inc.
2532	recombinant NY-ESO-1 protein				
	mixed with glucopyranosyl			Treatment of soft tissue	
	lipid A	n/a	1/6/2016		Immune Design Corp.
2533				Treatment of soft tissue	
	digitoxin	n/a	10/18/2001		SimRx Advisors LLC
2534	Liposomal doxorubicin			Treatment of soft tissue	
	hydrochloride	Sarcodoxome	12/27/2006	sarcomas	GP-Pharm SA

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2535				Treatment of soil transmitted	
	insecticidal toxin derived from			helminth infection	University of
	Bacillus thuringiensis	n/a	9/5/2008	strongyloidiasis	California, San Diego
2536	afamelanotide	n/a	12/11/2009	Treatment of solar urticaria	Clinuvel, Inc.
2537	Fibrin-based agent containing				
	a N-terminally modified				
	parathyroid hormone	,	a /	Treatment of solitary	
	fragment TGplPTH1-34	n/a	2/1/2007	(unicameral) bone cysts	Kuros Biosurgery AG
2538				Treatment of somatostatin	Louisiana State
				receptor positive neuroendocrine	•
	111Indium pentetreotide	Somatother	6/10/1999	tumors.	Center Foundation
2539					
				Treatment of somatostatin	
				receptor-positive	Molecular Insight
				neuroendocrine	Pharmaceuticals, Inc.
	Edotreotide	Onalta(Tm)	7/28/2005	gastroenteropancreatic tumors	(Progenics Subsidiary)
2540				Treatment of spasmodic	Ipsen Biopharm
	Botulinum toxin type A	Dysport	8/12/1998	torticollis (cervical dystonia).	Limited
2541				Treatment of spasmodic	
	Botulinum toxin type F	n/a	10/24/1991	torticollis (cervical dystonia).	Ipsen Limited
2542					
				Treatment of spasticity	
	Baclofen	Lioresal Intrathecal	9/26/1994	associated with cerebral palsy.	Medtronic, Inc.
2543					
				Treatment of spasticity	
				associated with multiple sclerosis	Athena
	Tizanidine HCl	Zanaflex	1/31/1994	and spinal cord injury.	Neurosciences, Inc.
2544				Treatment of spasticity	
				associated with spinal cord injury	Osmotica
	L-baclofen	n/a	12/17/1991	or multiple sclerosis.	Pharmaceutical Corp.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2545	45 C5\ 4 7 D:/2 4				
	1E,6E)-1,7-Bis(3,4-dimethoxyphenyl)-4-				
	cyclobutylmethyl-1,6-				
	heptadiene-3,5-dione or [(1E,				
	4Z,6E)-4-(cyclobutylmethyl)-				
	1,7-bis(3,4-dimethoxyphenyl)-				
	5-hydroxyhepta-1,4,6-trien-3-			Treatment of spinal and bulbar	Allianz
	one]	n/a	2/17/2016	muscular atrophy	Pharmascience Ltd.
2546				Treatment of spinal cerebellar	
				ataxia type 3 (also known as	
				SCA3 or Machado Joseph	
	trehalose	n/a	11/17/2014	·	BioBlast Pharma Ltd
2547				Treatment of spinal cord injury	
	Autologous olfactory neural		2 /4 /2 2 2	patients with ASIA Impairment	
25.40	progenitors	Rhinocytes	2/1/2008	grades A, B, or C	RhinoCyte, Inc.
2548	5-[1-(2,6-Dichlorobenzyl)- piperidin-4-				
	yl]methoxyquinazoline-2,4-			Treatment of spinal muscular	
	diamine	n/a	8/25/2009	•	CureSMA
2549	adeno-associated virus	.,,	0,10,100	a.e. opy	
	serotype 9 expressing the				
	human Survival Motor Neuron			Treatment of spinal muscular	
	gene	n/a	9/30/2014	atrophy	AveXis, Inc.
2550				Treatment of spinal muscular	
	ataluren	n/a	3/10/2008	• •	PTC Therapeutics, Inc.
2551				Treatment of spinal muscular	
		n/a	5/24/2005	atrophy	Ucyclyd Pharma, Inc
2552	Heptadecasodium salt of an 18-				
	base residue			Treatment of onitral reveals	
	phosphorothioate	 n/2	A /10 /2011	Treatment of spinal muscular	Piogon Inc
	oligonucleotide	n/a	4/18/2011	Ιαιτομπίγ	Biogen, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2553	late stage human motor			Treatment of spinal muscular	California Stem Cell,
	neutron progenitors	Motorgraft(Tm)	11/25/2009	atrophy	Inc.
2554				Treatment of spinal muscular	
	sodium 4-phenylbutyrate	n/a	10/18/2011	· · · ·	GMP-Orphan SAS
2555				Treatment of spinal muscular	
	Sodium phenylbutyrate	Buphenyl	1/25/2007		OrphaMed, Inc.
2556				Treatment of spinal muscular	Tikvah Therapeutics,
	Sodium phenylbutyrate	n/a	3/20/2007	atrophy	Inc.
2557				Treatment of spinal muscular	
	cholest-4-en-3-one, oxime	n/a	2/17/2009	atrophy.	Genentech, Inc.
2558					Biohaven
					Pharmaceutical
				Treatment of spinocereballar	Holding Company,
	riluzole	n/a	2/23/2016	ataxia.	Ltd.
2559					
	2-amino-N-({methyl-[(6-				
	trifluoromethoxy-benzothiazol-				
	2-ylcarbamoyl)-methyl]-				
	carbamoyl}-methyl)-acetamide			Treatment of spinocerebellar	Biohaven
	monohydrochloride	n/a	5/18/2016	ataxia.	Pharmaceuticals, Inc.
2560				Treatment of splenic marginal	
	ibrutinib	Imbruvica	2/5/2015	zone lymphoma	Pharmacyclics, LLC
2561				Treatment of splenic marginal	
	idelalisib	n/a	10/15/2013	zone lymphoma	Gilead Sciences, Inc.
2562					
				Treatment of squamous cell	Matrix
	Cisplatin/epinephrine	Intradose	4/3/2000	carcinoma of the head and neck.	Pharmaceutical, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2563				Treatment of squamous	
				metaplasia of the ocular surface	
				•	Hannan Ophthalmic
				cornea) with mucous deficiency	Marketing Services,
	Tretinoin	n/a	4/15/1985	and keratinization.	Inc
2564	Recombinant Human			Treatment of stage II (T4), III or	
	Interleukin-21 (rIL-21)	n/a	10/4/2005	IV malignant melanoma.	Zymo Genetics, Inc
2565					
				Treatment of stage II (T4), stage	
	Coxsackievirus A21	Cavatak	12/15/2005	III, and stage IV melanoma	Viralytics Limited
2566	a live attenuated				
	bioengineered Listeria				
	monocytogenes cancer			Treatment of Stage II to IV	
	immunotherapy	n/a	4/29/2014	invasive cervical carcinoma	Advaxis, Inc.
2567					
	177-LU-DOTA-GlyGlyNle-			Treatment of Stage IIB through IV	
	CycMSHhex	n/a	4/16/2015	malignant melanoma	SolaranRx, Inc.
2568				Treatment of stage IIB through IV	
	cenersen	Aezea	· · ·	melanoma	Eleos, Inc.
2569				Treatment of Stage IIB through IV	
	melphalan	n/a	11/19/2012		OncoTx, LLC
2570	Adenovirus encoding the		1/10/05:5	Treatment of stage IIb through IV	
0==:	recombinant CD40 ligand	n/a	4/19/2016	melanoma.	Memgen LLC
2571	Desiller Colorelle Const			T	
	Bacillus Calmette-Guerin	. 1.	0/0/2006	Treatment of stage IIb through IV	0 1/2 6
	vaccine	n/a	8/9/2006	metastatic melanoma	OncoVac Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2572					
	(S)-4-(5-chloro-2-				
	(isopropylamino)pyridin-4-yl)-				
	N-(1-(3-chlorophenyl)-2-				
	hydroxyethyl)-1H-pyrrole-2-			Treatment of Stage IIb through	BioMed Valley
	carboxamide hydrochloride	n/a	6/24/2013	Stage IV BRAF mutant melanoma	Discoveries, Inc.
2573					
				Treatment of stage IIb through	SciClone
	Thymalfasin	Zadaxin	3/13/2006	Stage IV malignant melanoma	Pharmaceuticals, Inc.
2574					
				Treatment of Stage IIB through	
	trabedersen	n/a	8/22/2011	Stage IV malignant melanoma.	Oncotelic, Inc.
2575				Treatment of Stage IIB to IV	
	Intravenous immune globulin	Vitigam	7/26/2007	malignant melanoma	GammaCan Ltd.
2576					
	bi-shRNAfurin and granulocyte				
	macrophage colony			_	
	stimulating factor augmented			Treatment of stage IIB to IV	
	autologus tumor cell vaccine	Fang	2/17/2012	melanoma	Gradalis, Inc.
2577				Treatment of stage IIb to IV	
	GVAX melanoma	n/a	12/23/2010		Aduro BioTech, Inc.
2578				Treatment of stage IIB to Stage IV	
	lenvatinib	n/a	3/26/2014	melanoma	Eisai, Inc.
2579	Polyvalent, shed-antigen	,	- 1- 1	Treatment of stage IIb to stage IV	
	melanoma vaccine	n/a	6/9/2006	melanoma	Polynoma LLC
2580					
	l] ,	·	Treatment of stage IIb to stage IV	
	tremelimumab	n/a	9/18/2006	metastatic melanoma	MedImmune
2581		,		Treatment of stage IIb, IIc, III & IV	
	chlorotoxin	n/a	12/2/2008	melanoma	Morphotek, Inc.
2582] ,		Treatment of stage IIb, IIc, III and	
	recombinant DNA plasmid	n/a	1/31/2014	IV melanoma.	Scancell Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2583	6-amino-5-chloro-N-[1R)-1-[5-				
	[[[5-hloro-4-(trifluoromethyl)-				
	2pyridinyl]amino]carbonyl]-2-				
	thiazoyl]ethyl]-4-			Treatment of stage IIb-IV	Millennium
	pyrimdinecarboxamide	n/a	10/15/2013		Pharmaceuticals, Inc.
2584	. ,			Treatment of Stage IIB-IV	,
				melanoma positive for BRAF	Array BioPharmas,
	encorafenib	n/a	11/19/2013	mutation	Inc.
2585				Treatment of stage IIB-IV	
	epacadostat	n/a	2/11/2016	melanoma.	Incyte Corporation
2586				Treatment of stage III - IV	Ribi ImmunoChem
	Melanoma vaccine	Melacine	12/20/1989	melanoma.	Research, Inc.
2587					
	Melanoma autologous			Treatment of stage IIIb through	
	dendritic cell vaccine	n/a	9/6/2006	IV metastatic melanoma	Caladrius Biosciences
2588		,		Treatment of stages IIB, IIC, III,	
	tesetaxel	n/a	11/21/2008	and stage IV melanoma	Genta, Inc.
2589	Lentiviral vector containing the		. /0.0 /0.10		Sanofi US Services,
2700	human ABCA4 gene	Stargen (Tm)	4/30/2010	Treatment of Stargardt disease	Inc.
2590		,	40/20/2045	Treatment of Stargardt Macular	Copernicus
2504	ABCA4 DNA nanoparticles	n/a	10/28/2015	Degeneration	Therapeutics, Inc.
2591					Allegue
	C20 D2 rotinul acatata	n/2	0/16/2010	Treatment of Stargardt's disease	Alkeus
2592	C20-D3-retinyl acetate	n/a	9/16/2010	Treatment of Stargardt's disease	pharmaceuticals, Inc.
2392	echothiophate iodide	n/a	6/2/2014	Treatment of Stargardt's disease	Makindus, Inc.
2593			<i>,</i> .	5	Astellas Pharma
				Treatment of Stargardt's macular	Global Development
	MA09-hRPE cells	n/a	2/2/2010	dystrophy	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2594	1-(2-chlorophenyl)-1-(S)-				
	hydroxy-2-(S)-carbamoyloxy-				Bio-Pharm Solutions
	propane	n/a	7/7/2016	Treatment of status epilepticus	Co., Ltd.
2595					
	allopregnanolone	n/a	4/20/2014	Treatment of status epilepticus	Sage Therapeutics
2596					Meridian Medical
	midazolam	n/a	2/4/2016	Treatment of status epilepticus	Technologies, Inc.
2597					Shire Development
	midazolam	n/a	2/18/2016	Treatment of status epilepticus	LLC
2598					
					Marinus
	ganaxolone	n/a	4/14/2016	Treatment of status epilepticus.	Pharmaceuticals, Inc.
2599				Treatment of steatorrhea in	
				patients with short bowel	
	conjugated bile acids	Cobartin	7/18/2003	•	Jarrow Formulas, Inc.
2600				Treatment of ST-elevation	
				myocardial infarcted patients	
				who are undergoing primary	
				percutaneous coronary	Niche Therapeutics,
	alfimeprase	n/a	9/20/2012	intervention	LLC
2601	Intravenous immune globulin			Treatment of stiff-person	
	(human) 10%	Octagam(R)	7/31/2008	,	Octapharma USA, Inc.
2602				Treatment of Still's disease	
				including juvenile rheumatoid	
				arthritis and adult-onset Still's	Regeneron
	Interleukin-1 Trap	n/a	4/4/2005		Pharmaceuticals, Inc.
2603				Treatment of Still's disease	
				including systemic juvenile	
	interleukin-1 receptor			idiopathic arithritis and adult-	Swedish Orphan
	antagonist anakinra	Kineret	9/15/2015	onset Still's disease.	Biovitrum AB
2604	20-mer complementary to Akt				
	mRNA	n/a	12/10/2004	Treatment of stomach cancer	Rexahn Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2605				Treatment of subacute sclerosing	Newport
	Inosine pranobex	Isoprinosine	9/20/1988	panencephalitis.	Pharmaceuticals
2606					
	H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-				
	Gln-Arg-Arg-Arg-alys-aleu-Ser-			Treatment of subarachnoid	
	Ser-Ile-Glu-Ser-Asp-Val-OH	n/a	5/14/2013	hemorrhage	NoNO, Inc.
2607				Treatment of subarachnoid	Edge Therapeutics,
	intraventricular nimodipine	n/a	5/28/2015	hemorrhage	Inc.
2608				Treatment of subarachnoid	
	stabilized sulforaphane	n/a	8/22/2016	hemorrhage	Evgen Pharma PLC
2609				Treatment of sulfur mustard	Норе
	sodium thiosulfate	n/a	3/3/2011	poisoning	Pharmaceuticals
2610					
	deferiprone	n/a	9/1/2011	Treatment of superficial siderosis	ApoPharma, Inc.
2611				Treatment of symptomatic	
	Vapreotide	Sanvar	4/6/2004	carcinoid tumors	H3 Pharma, Inc.
2612				Treatment of symptomatic	
				enteroviral infection in the	AntiVirus
	pleconaril	n/a	12/22/2014	neonate	Therapeutics, Inc.
2613					
	salmeterol			Treatment of symptomatic	
	xinafoate/fluticasone			exophthalmos associated with	
	propionate	n/a	10/29/2009	thyroid related eye disease	Lithera, Inc.
2614					
				Treatment of symptomatic	
				intradialytic hypotension,	
				including symptomatic	
	S-ethylisothiourea			hypotension in the immediate	
	diethylphosphate	n/a	8/29/2016	post-dialytic period.	TrioxBio, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2615					
	6-{[(1S)-1-phenylethyl]amino}-			T	
	3-(propan-2-yl)-1,2,3,4			Treatment of symptomatic	
	tetrahydropyrimidine-2,4- dione	n/a	4/27/2016	obstructive hypertrophic cardiomyopathy	MyoKardia, Inc.
2616	uione	II/ d	4/2//2010	Treatment of symptomatic	iviyokarula, ilic.
2010				patients with AIDS including all	
	Tumor necrosis factor-binding			patients with CD4 counts less	
	protein 1	n/a	1/6/1993	than 200 cells per mm3.	EMD Serono, Inc.
2617				·	
				Treatment of symptomatic	
				patients with AIDS including all	
	Interferon beta-1a			patients with CD4 T-cell counts	
	(recombinant)	Rebif	12/2/1992	less than 200 cells per mm3.	EMD Serono, Inc.
2618				Treatment of symptomatic	
				patients with the AIDS including	
				all patients with CD4 T-cell	
	Tumor necrosis factor-binding	. 1.	4 (5 (4 002	counts less than 200 cells per	EMB Comments
2619	protein II	n/a	1/6/1993	mm3.	EMD Serono, Inc.
2019				Treatment of symptomatic sickle	
				• •	Ebelle D'Ebelle
	hydroxyurea	Pedroxa	3/16/2015	less than 17 years of age.	Pharmaceuticals LLC
2620	yaoxyaca		0, 10, 1010	Treatment of symptomatic stage	
	Heme arginate	Normosang	3/10/1988	of acute porphyria.	Orphan Europe SARL
2621				Treatment of symptomatic	
				transthyretin (TTR) amyloid	
	tafamidis meglumine	n/a	2/17/2012	cardiomyopathy.	Pfizer, Inc.
2622				Treatment of symptoms	Ipsen
				associated with carcinoid	Biopharmaceuticals,
	lanreotide acetate	n/a	9/8/2011	syndrome	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2623					
				Treatment of symptoms of Grade	
	replication-deficient			2 and Grade 3 late xerostomia	
	recombinant serotype 2 adeno-			from parotid gland hypofunction	
	associated viral vector			caused by radiotherapy for	
	containing hAQP1 cDNA	n/a	5/3/2013	cancer of the oral cavity.	MeiraGTx, LLC
2624				Treatment of symtomatic	
	Brivaracetam	n/a	10/5/2005	myoclonus	UCB Pharma, Inc.
2625				Treatment of synkinetic closure	
				of the eyelid associated with VII	Botulinum Toxin
				cranial nerve aberrant	Research Associates,
	Botulinum toxin type A	n/a	9/15/1992	regeneration.	Inc.
2626					
	2,2'-{2-[1R)-1-({[(2,5-				
	dichlorobenzoyl)amino]acetyl}				
	amino)-3-methylbutyl]-5-oxo-				
	1,3,2-dioxaborolane-4,4-				
	diyl}diacetic acid (ixazomib			Treatment of systemic light chain	Millennium
	citrate)	n/a	3/9/2012	(AL) amyloidosis.	Pharmaceuticals, Inc.
2627	Recombinant humanized			Treatment of systemic lupus	
	monoclonal antibody 5c8	n/a	2/18/1998	erythematosus.	Biogen, Inc.
2628	(6aR, 10aR)-3-(1â¿¿,1â¿¿-				
	dimethylheptyl)-ο8-				
	tetrahydro-cannabinol-9-				Corbus
	carboxylic acid	n/a	6/10/2015	Treatment of systemic sclerosis	Pharmaceuticals, Inc.
2629					
	1-(6-benzothiazolylsulfonyl)-5-				
	chloro-1H-indole-2-butanoic				
	acid	n/a	3/31/2015	Treatment of systemic sclerosis	Inventiva Pharma
2630	caprine hyperimmune serum				Daval International
	against HIV lysate	n/a	2/14/2014	Treatment of systemic sclerosis	Limited

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2631	high molecular weight				
	multimer of E3-Fc, an				
	endostatin C-terminus and	n/2	6/27/2016	Treatment of systemic sclerosis	iDio Inc
2632	lgG1-Fc fusion protein human lgG1k monoclonal	n/a	0/2//2016	Treatment of systemic sclerosis	iBio, Inc.
2032	antibody	n/a	10/16/2013	Treatment of systemic sclerosis	MedImmune
2633	monoclonal antibody targeting			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	eotaxin-2	n/a	1/6/2015	Treatment of systemic sclerosis	ChemomAb, Ltd.
2634					
	paquinimod	n/a	1/17/2014	Treatment of systemic sclerosis	Active Biotech AB
2635	Peptide 144 TGF beta-1	,			
2626	inhibitor	n/a	4/27/2006	Treatment of systemic sclerosis	Digna Biotech, S.L. Bayer HealthCare
2636	riociguat	Adempas	7/24/2014	Treatment of systemic sclerosis	Pharmaceuticals
2637	Hociguat	Adempas	7/24/2014	Treatment of systemic scierosis	r Harmaceuticais
2007	terguride	Mysalfon, Teluron	5/17/2013	Treatment of systemic sclerosis	Medac GmbH
2638		,		,	
	tocilizumab	Actemra	4/17/2013	Treatment of systemic sclerosis	Genentech, Inc.
2639					
				Treatment of systemic sclerosis	
	otafi otali o	. /-	44/40/2042	(including the associated	
2640	pirfenidone	n/a	11/19/2013	interstitial lung disease)	Genentech, Inc.
2040				Treatment of systemic sclerosis	
				(including the associated	Boehringer Ingelheim
	nintedanib	n/a	7/6/2016	interstitial lung disease).	Pharmaceuticals, Inc.
2641	(2-(2-chlorophenyl)-4-[3-				
	(dimethylamino)phenyl]-5-				
	methyl-1h-pyrazolo [4,3-c]				Genkyotex Innovation
	pyridine-3,6(2h,5h)-dione)	n/a	10/14/2015	Treatment of systemic sclerosis.	SAS

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2642					Accentia
	cyclophosphamide	Cyrevia(Tm)	6/7/2011	Treatment of systemic sclerosis.	Biopharmaceuticals, Inc.
2643	сусторноѕрнанние	Cyrevia(Till)	6/7/2011	Treatment of systemic scierosis.	Collgard
2013					Biopharmaceuticals
	Halofuginone	Stenorol	2/7/2000	Treatment of systemic sclerosis.	Ltd.
2644					
	recombinant adenovirus				
	vector AAV2/rh8 expressing human B-hexosaminidase A &				Na't Tay-Sachs &
	numan в-nexosaminidase A & В subunits	n/a	3/25/2013	Treatment of Tay-Sachs disease	Allied Diseases Association
2645	D SUBULIES	ii, a	3/23/2013	Treatment of Tay-Sachs disease	Association
	(1S)-1-(9-deazahypoxanthin-9-				
	yl)-1,4-dideoxy-1,4-imino-D-			Treatment of T-cell non-	Mundipharma
	ribitol-hydrochloride	n/a	1/29/2004	Hodgkin's lymphoma	Research Limited
2646			4/44/2000	Treatment of T-cell non-	
2647	Tretinoin	Atra-Iv	4/11/2003	Hodgkin's lymphoma Treatment of TdT-positive acute	Antigenics, Inc.
2047	Cordycepin	n/a	7/5/2007	lymphocytic leukemia	OncoVista, Inc.
2648	Согауссри	ii) a	77372007	lymphocytic reakenna	Oncovista, inc.
				Treatment of telomerase reverse	
	peptide-based vaccine			transcriptase (TERT) positive non-	
	targeting telomerase reverse			small cell lung cancer in HLA-	
	transcriptase	n/a	2/20/2009	A*0201 positive patients	VAXON-Biotech
2649				Treatment of	Watson Laboratories,
	L-5-hydroxytryptophan	n/a	1/20/1999	tetrahydrobiopterin deficiency.	Inc.
2650	2 5 Mydroxyd yptopridii	, , , , , , , , , , , , , , , , , , ,	1/20/1999	tea any arosiopterm denoted by.	
					Luitpold
	phenylephrine	n/a	1/31/2012	Treatment of Tetralogy of Fallot	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2651				Treatment of the active phase of	
				ulcerative colitis with	
				involvement restricted to the left	
	Short chain fatty acid solution	Colomed	5/29/1990	side of the colon.	Richard I. Breuer
2652				Treatment of the behavorial	
	R-4-amino-3-(4-			abnormalities associated with	Seaside Therapeutics,
	chlorophenyl)butanoic acid	n/a	11/28/2008	fragile X syndrome	Inc.
2653				Treatment of the bone	
				manifestations of Gaucher	Richard J. Wenstrup,
	Alendronate disodium	Fosamax	2/13/2001		M.D.
2654				Treatment of the chronic	Johnson & Johnson
		A 4 12	4/40/4004	progressive form of multiple	Pharmaceutical R &
2655	Cladribine	Mylinax	4/19/1994	scierosis.	D, LLC
2655				Turaturant of the aliminal	
				Treatment of the clinical	
				manifestations of mycobacterial infection caused by	
				Mycobacterium tuberculosis and	
	Thalidomide	n/a	1/12/1002	non-tuberculous mycobacteria.	Celgene Corporation
2656	mandomide	ii/ a	1/12/1993	Treatment of the comorbidities	Ceigerie Corporation
2030	pegylated carboxyhemoglobin			associated with Sickle Cell	Prolong
	bovine	Sanguinate	1/15/2015		Pharmaceuticals, LLC
2657	Sovine .	Jungamate	1/13/2013	Discuse	Tharmaceaticals, EEC
2007				Treatment of the neurological	
					Actelion
	miglustat	Zavesca (R)	11/12/2008	disease,type C.	Pharmaceuticals Ltd
2658	0		-,, -300		
				Treatment of the on-off	
					Pentech
	Apomorphine	n/a	7/17/1995	stage Parkinson's disease.	Pharmaceuticals, Inc.
2659				Treatment of the respiratory	BioAegis
	Recombinant human gelsolin	n/a	1/12/1994	symptoms of cystic fibrosis.	Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2660	Immune Globulin (Human)				OMRIX
	containing high titers of West	Omr-Igg-Am (Tm) 5%		Treatment of the West Nile virus	Biopharmaceuticals,
	Nile virus antibodies	(Wnv)	3/17/2004	infection	Ltd.
2661	allogeneic ex-vivo expanded				
	placental adherent stromal			Treatment of thromboangiitis	Pluristem
	cells	n/a	8/22/2011	obliterans (Buerger's disease)	Therapeutics, Inc.
2662					
	Bone marrow-derived			Treatment of thromboangiitis	
	mononuclear cells	n/a	5/17/2010	obliterans (Buerger's disease)	t2cure GmbH
2663					
				Treatment of thrombocytopenia	
				associated with myelodysplasia	
	romiplostim	n/a	10/31/2007	syndrome	Amgen Inc.
2664					
				Treatment of thrombocytosis in	Roberts
	Anagrelide	Agrylin	7/14/1986	chronic myelogenous leukemia.	Pharmaceutical Corp.
2665				Treatment of thrombotic	
	Caplacizumab	n/a	4/14/2009	thrombocytopenic purpura	Ablynx NV
2666	S-59 treated FFP (plasma				
	treated with amotosalen				
	hydrochloride & ultraviolet A	Intercept Blood System		Treatment of thrombotic	
	light	For	2/14/2011	thrombocytopenic purpura	Cerus Corporation
2667					
	solvent/detergent treated non-				
	blood-group specific human			Treatment of thrombotic	
	coagulation active plasma	Uniplas	12/12/2005	thrombocytopenic purpura	Octapharma USA, Inc.
2668					
				Treatment of thrombotic	
	Recombinant disintegrin and			thrombocytopenic purpura	
	metalloprotease with			including its congential, acquired	
	thrombospondin type 1 motifs	n/a	7/29/2008	idiopathic, and secondary forms.	Baxalta US Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2669					
	and the artist of	I.a.	2/10/2016	Treatment of thrombotic	Lee's Pharmaceutical
2670	anfibatide	n/a	3/10/2016	thrombocytopenic purpura. Treatment of thrombotic	(Hong Kong) Limited
2670	Defibrotide	n/2	7/5/1005	thrombocytopenic purpura.	Crinos International
2671	Delibrotide	n/a	7/3/1963	Treatment of thymic epithelial	Tiziana Life Sciences
20/1	milciclib maleate	n/a	9/20/2012	· ·	PLC
2672	Initiciciib inaleate	II/ a	3/20/2012	tullors.	rtc
2072	deoxythymidine				
	monophosphate and			Treatment of thymidine kinase 2	Columbia University
	deoxycytidine monophosphate	n/a	7/7/2016	deficiency.	Medical Center
2673	, , , , , , , , , , , , , , , , , , , ,	-4-2	1717=0=0	Treatment of TNF-receptor	Novartis
				associated periodic syndrome	Pharmaceuticals
	canakinumab	n/a	9/4/2012		Corporation
2674				Treatment of Tourette syndrome	
				in the pediatric population	
				(defined as 0 through 16 years of	TEVA
	deutetrabenazine	n/a	1/13/2015	age)	Pharmaceuticals
2675				Treatment of Tourette's	
				syndrome in children 0-16 years	Psyadon
	ecopipam hydrochloride	n/a	9/29/2010	old.	Pharmaceuticals, Inc.
2676					
				Treatment of Tourette's	Boehringer-Ingelheim
	pramipexole	Mirapex	1/31/2008	syndrome in pediatric patients	Pharmaceuticals, Inc.
2677				Treatment of Tourette's	
			- 1. 1	Syndrome in school-age children,	
	tetrabenazine	n/a	7/1/2009	ages 5-16	(Barbados) SRL
2678			40/44/:000	Treatment of Tourette's	<u> </u>
	Mecamylamine	Inversine	10/14/1998	syndrome.	Targacept, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2679					
				Treatment of transthyretin	Alnylam
	revusiran	n/a	5/18/2015	amyloidosis	Pharmaceuticals, Inc.
2680					SOM Innovation
				Treatment of transthyretin	Biotech SL (SOM
	Tolcapone	n/a	12/24/2013	amyloidosis	Biotech)
2681	sodium benzoate and			Treatment of treatment-resistant	SyneuRx International
	clozapine	n/a	12/22/2011	schizophrenia	Corp.
2682	(5R)-5-(4-{[2-				
	fluorophenyl)methyl]oxy}phen				
	yl)-L-prolinamide,			Treatment of trigeminal	Convergence
	hydrochloride	n/a	7/24/2013		Pharmaceuticals Ltd.
2683				Treatment of trigeminal	
	carbon dioxide	n/a	12/17/2015	neuralgia	Capnia, Inc.
2684					
				Treatment of trigeminal	Luitpold
	dehydrated alcohol	n/a	3/16/2012	neuralgia	Pharmaceuticals, Inc.
2685					
				Treatment of trigeminal	Osmotica
	L-baclofen	n/a	1/6/1998	neuralgia	Pharmaceutical Corp.
2686				Treatment of trigeminal	
	L-baclofen	n/a	7/13/1990	neuralgia.	Fromm, Gerhard M.D.
2687	N-[5-(3,5-difluorobenzyl)-1H-				
	indazol-3-yl]-4-(4-			Treatment of TrkA-positive, TrkB-	
	methylpiperazin-1yl)-2-			positive, TrkC-positive ROS1-	
	(tetrahydro-2H-pyran-4-			positive or ALK-positive non-	
	ylamino)benzamide	n/a	2/3/2015	small cell lung cancer	Ignyta, Inc.
2688	N-[5-(3,5-difluorobenzyl)-1H-				
	indazol-3-yl]-4-(4-			Treatment of TrkA-positive, TrkB-	
	methylpiperazin-1yl)-2-			positive, TrkC-positive, ROS1-	
	(tetrahydro-2H-pyran-4-			positive, or ALK-positive	
	ylamino)benzamide	n/a	2/12/2015	colorectal cancer	Ignyta, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2689					
	(3S)-3-(4-				
	trifluoromethoxybenzyloxy)-6-				
	nitro-2H-3,4-				Global Alliance for TB
	dihydroimidazo[2,1-b]oxazine	n/a	7/5/2007	Treatment of tuberculosis	Drug Development
2690					Immodulon
	mycobacterium vaccae	n/a	8/20/2010	Treatment of tuberculosis	Therapeutics Ltd
2691			- 4 4		Kanyok, Thomas P.
	Aminosidine	Gabbromicina	5/14/1993	Treatment of tuberculosis.	Pharm.D.
2692	N-adamantanyl-N'-Geranyl-	 			
	ethylenediamine	n/a	10/16/2007	Treatment of tuberculosis.	Sequella, Inc.
2693	N-{[(5S)-3-(3-fluoro-4-				
	thiomorpholin-4-ylphenyl)-2-				
	oxo-1,3-oxazolidin-5-		- 4 - 4		
	yl]methyl}acetamide	n/a	2/4/2011	Treatment of tuberculosis.	Sequella, Inc.
2694		,	0/00/00=	Treatment of tuberous sclerosis	
	Rapamycin	n/a	3/20/2007	•	Oncolmmune, Inc.
2695				Treatment of tuberous sclerosis	
	cannabidiol	n/a	4/19/2016	•	GW Pharma Ltd.
2696				Treatment of tumor lysis	
	Polyethylene glycol-modified			syndrome in cancer patients	
2507	uricase	Zurase	12/21/1998	undergoing chemotherapy.	EnzymeRx, LLC
2697				Treatment of type 1 diabetes	
			F /20 /2012	mellitus patients with residual	
2606	abatacept	Orencia	5/30/2013	beta cell function	Orban Biotech LLC
2698				Treatment of Type 1 diabetes	Cuifele Theorem 11:
	alpha1-proteinase inhibitor	Durale etin (D) C	2/2/2045	mellitus patients with residual	Grifols Therapeutics,
2600	(human)	Prolastin(R)-C	3/3/2015	beta-cell function.	Inc.
2699				Treatment of type 1 diabetes	Johnson & Johnson
	ataliimmaala	Cholore		mellitus patients with residual	Pharmaceutical &
	ustekinumab	Stelara	11/29/2010	beta-cell function.	Development LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2700	autologous ex vivo expanded				
	polyclonal			Treatment of type 1 diabetes	
	CD4+CD25+CD1271o/-FOXP3+			mellitus with residual beta cell	
	Regulatory T cells	n/a	5/10/2016		Caladrius Biosciences
2701				Treatment of Type 1 diabetes	
	ex-vivo cultered adult human			patients with residual beta cell	
	mesenchymal stem cells	Prochymal(R)	4/30/2010		Mesoblast, Inc.
2702	human insulin beta chain			Treatment of Type 1 diabetes	
	peptide with incomplete	,		patients with residual beta cell	
	Freund's adjuvant vaccine	n/a	2/11/2013	function	Orban Biotech, LLC
2703					
	Recombinant human glutamic				
	acid decarboxylase 65KDa		2/22/22/2	Treatment of Type I diabetes	Diamyd Therapeutics
	isoform	n/a	3/22/2010	with residual beta cell function	AB
2704				Treatment of type I diabetic	
	Encapsulated porcine islet		_ /- /	patients who are already on	l
	preparation	Betarx	7/5/1995	immunosuppression.	VivoRx
2705		,		Treatment of type II Leber's	Applied Genetic
	rAAV2-CB-hRPE65	n/a	2/11/2005	Congential Amaurosis	Technologies Corp.
2706					
				Treatment of ulcerative colitis in	
	mesalamine; 5-aminosalicylic			pediatric patients (revised	
	acid	Lialda	2/27/2008	indication 10/21/2010).	Shire
2707				Treatment of ulcerative colitis in	
				pediatric patients age 0 through	4D Pharma Research
	Roseburia hominis	Rosburix	8/4/2014	16 years	Ltd
2708					
				Treatment of uncomplicated	
				malaria caused by "Plasmodium	
	l.,, , , , , , , , ,			falciparum," Plasmodium vivax,"	
	dihydroartemisinin and			Plasmodium malariae," or	Sigma-Tau
	piperaquine	Eurartesim	1/8/2007	"Plasmodium ovale."	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2709				Treatment of upper tract	
	gemcitabine	n/a	12/30/2015	urothelial carcinoma	TARIS Biomedical LLC
2710					
				Treatment of upper tract	
				urothelial cell cancers	
				(transitional cell carcinoma of the	
	mitomycin	Mitogel	9/8/2014	renal pelvis and ureter)	TheraCoat, Ltd.
2711					
		n/a	1/19/2010	Treatment of urea cycle disorder.	Navinta LLC
2712	heterologous human adult				
	liver derived progenitor cells			Treatment of urea cycle	Promethera
	(HHALPC)	n/a	1/13/2012	disorders	Biosciences
2713					
		,	- 4 4	Treatment of urea cycle	Promethera
	human heterologous liver cells	n/a	2/14/2011	disorders	Biosciences S.A./N.V.
2714	live E. coli Nissle bacterium				
	modified to assimilate	,		Treatment of urea cycle	
2745	ammonia	n/a	8/22/2016		Synlogic, Inc.
2715	a a dissura sub a cossilla suturna tra	Dhahama	C/C/2012	Treatment of urea cycle	Lucana Dhamas CA
	sodium phenylbutyrate	Pheburane	6/6/2013	Treatment of uremic and non-	Lucane Pharma SA
2716	sodium thiosulfate	n /n	11/0/2011		Hope Pharmaceuticals
2717	sodium thiosulfate	n/a	11/9/2011	uremic calciphylaxis	Pharmaceuticais
2/1/				Treatment of uremic and non-	Luitpold
	Sodium Thiosulfate	n/a			•
2718	Socialii iiiosullate	II/a	2/10/2012	uremic calciphylaxis Treatment of uremic	Pharmaceuticals, Inc.
2/10	24,25 dihydroxycholecalciferol	n/a	2/27/1007	osteodystrophy.	Lemmon Company
2719	modified human	11/ a	2/2//190/	osteodystropriy.	Lemmon Company
2/19	papillomavirus capsid protein				
	conjugated to a near infrared				
	, 0	n/a	4/8/2015	Treatment of uveal melanoma	Aura Biosciences, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2720	HLA-A2-selective gp100-				
	specific T cell redirector	n/a	1/21/2016	Treatment of uveal melanoma.	Immunocore Ltd
2721				Treatment of vaso-occlusive	
			. 10 10 00	crisis associated with sickle cell	Hope
	Sodium nitrite	n/a	4/2/2007		Pharmaceuticals
2722	(1R,3R,4R,5S)-3-O-[2-O-			Treatment of vaso-occlusive	
	benzoyl-3-O-(sodium(2S)-3-	 	- 4 4	crisis in patients with sickle cell	
	cyclohexyl-propanoate-	n/a	2/17/2009		Pfizer, Inc.
2723				Treatment of vaso-occlusive	Selexys
				crisis in patients with sickle cell	Pharmaceuticals
	humanized IgG2 antibody	n/a	7/22/2008	disease.	Corp.
2724				_	
				Treatment of vasospasm in	
				subarachnoid hemorrhage	
				patients following surgical repair	
	Poloxamer 188	n/a	8/5/1997	of a ruptured cerebral aneurysm.	CytRx Corporation
2725					
					Cerberus Princeton,
	metyrosine	Demser	7/25/2008	1 /	LLC
2726				Treatment of vernal	
	Cyclosporine A	n/a	5/4/2007	keratoconjunctivitis	Santen SAS
2727					
				Treatment of verocytotoxogenic	
	Synsorb Pk	n/a	7/17/1995	E. coli infections.	Synsorb Biotech Inc.
2728					
	recombinant nematode			Treatment of viral hemorrhagic	
	anticoagulant protein c2			fever post-exposure to Ebola	
	(rNAPc2)	n/a	12/8/2014		ARCA Biopharma, Inc.
2729				Treatment of visceral	The Institute for One
	aminosidine	Paromomycin	3/29/2005	leishmaniasis	World Health
2730				Treatment of visceral	Sandler Center for
	corifungin	n/a	7/6/2011	leishmaniasis	Drug Discovery

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2731					
				Treatment of visceral	Aquarius
	enchochleate amphotericin B	n/a	1/10/2014	leishmaniasis	Biotechnologies, Inc.
2732				Treatment of visceral	Kanyok, Thomas P.
	Aminosidine	Paromomycin	9/9/1994	leishmaniasis (kala-azar).	Pharm.D.
2733				Treatment of visceral	
	amphotericin B	n/a	9/15/2010	leishmaniasis.	iCo Therapeutics Inc.
2734	3-(3,5-Dimethyl-1H-				
	2ylmethylene)-1,3-dihydro-			Treatment of von Hippel-Lindau	
	indol-2-one	n/a	3/23/2000		Sugen, Inc.
2735	von Willebrand Factor Human			Treatment of Von Willebrand	
	Concentrate	Wilfactin	5/29/2014	Disease	rEVO Biologics, Inc.
2736					
	Testosterone propionate				Star Pharmaceuticals,
	ointment 2%	n/a	7/31/1991	Treatment of vulvar dystrophies.	Inc.
2737					
	(S)-4-(8-amino-3-(1-but-2-				
	ynoylpyrrolidin-2-yl)-				
	imidazo[1,5-a]pyrazin-1-yl)-N-			Treatment of Waldenstrom	
	(pyridin-2-yl)-benzamide	n/a	10/22/2015	macroglobulinemia.	Acerta Pharma BV
2738					
	(S)-7-(1-acryloylpiperidin-4-yl)-				
	2-(4-phenoxyphenyl)-4,5,6,7-				
	tetrahydropyrazolo[1,5-			Treatment of Waldenstrom's	
	-1 /	n/a	6/29/2016	macroglobulinemia	BeiGene USA, Inc.
2739	antagonist of the endosomal				
	Toll-like receptors (TLRs) 7, 8,			Treatment of Waldenstrom's	Idera
	and 9	n/a	12/23/2014	macroglobulinemia	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2740					
	Autologous lymphoma-derived				
	immunoglobulin idiotype				
	antigen vaccine conjugated to			Treatment of Waldenstrom's	Biovest International,
	keyhole limpet hemocyanin	Biovaxid	10/18/2011	macroglobulinemia	Inc.
2741				Treatment of Waldenstrom's	Onyx Therapeutics,
	oprozomib	n/a	8/25/2014	macroglobulinemia	Inc.
2742				Treatment of Wegener's	
	gusperimus trihydrochloride	n/a	6/29/2011	granulomatosis	Nordic Group B.V.
2743				Treatment of weight loss in AIDS	
				patients with HIV-associated	Besins Internaitonal,
	Dihydrotestosterone	Androgel -Dht	2/5/1996	wasting.	US Inc.
2744					
				Treatment of well-differentiated	
				papillary, follicular or combined	
				papillary/follicular carcinomas of	Elliot Danforth, Jr.,
	3,5,3'-triiodothyroacetate	n/a	9/20/2000	the thyroid gland.	M.D.
2745					
	trientine tetrahydrochloride	n/a	3/10/2016	treatment of Wilson's disease	GMP-Orphan SAS
2746					
	Ammonium				Pipex
	tetrathiomolybdate	Coprexa	1/31/1994	Treatment of Wilson's disease.	Pharmaceuticals, Inc.
2747					Wilson Therapeutics
	choline tetrathiomolybdate	n/a	8/25/2011	Treatment of Wilson's disease.	AB
2748					
	Autologous CD34+ cells				
	transfected with lentiviral				GlaxoSmithKline
	vector containing the human			Treatment of Wiskott Aldrich	Intellectual Property
	WAS cDNA (Telethon 003)	n/a	4/30/2010	syndrome	Development

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2749					
					Washington
	dantrolene sodium	n/a	2/17/2016	Treatment of Wolfram Syndrome	University in St. Louis
2750					The University of
	sodium valproate	n/a	8/5/2015	Treatment of Wolfram syndrome	Birmingham
2751				Treatment of X linked severe	
	retroviral gamma-c cDNA			combined immune deficiency	AVAX technologies,
	containing vector	n/a	4/29/2002		Inc.
2752				Treatment of X-linked	
	sobetirome	n/a	4/29/2011	adrenoleukodystrophy	NeuroVia, Inc.
2753	Fusion protein consisting of				
	human immunoglobim G1				
	constant region Fc region				
	fused to the human receptor			Treatment of X-linked	
	binding domain of			hypohidrotic ectodermal	Edimer
	ectodysplasin-A1	n/a	1/11/2006	dysplasia	Pharmaceuticals, Inc.
2754				Treatment of X-linked	
				hypophosphatemia (formerly	
	recombinant human IgG1			known as vitamin D-resistant	Ultragenyx
	monoclonal antibody	n/a	12/14/2009	rickets)	Pharmaceutical, Inc.
2755	adeno-associated viral vector				Applied Genetic
	expressing human			Treatment of X-linked juvenile	Technologies
	retinoschisin-1 gene	n/a	5/21/2007	retinoschisis (XLRS).	Corporation
2756	non-replicating adeno-				
	associated viral vector,				
	serotype 8, expressing human			Treatment of x-linked	Audentes
	myotubularin gene	At001	12/3/2014	myotubular myopathy	Therapeutics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2757	adeno-associated virus type 8				
	delivering a vector genome				
	with human retinoschisin				
	promoter (RS/IRBP) and the			Together subject of V limber d	Paul A. Sievig, MD,
	human retinoschisin cDNA	m /n	11/16/2015	Treatment of X-linked	PhD, National Eye
2750	(hRS)	n/a	11/16/2015	retinoschisis	Institute, NIH
2758				Treatment of zidovudine-induced	Sigma Tau
	Levocarnitine	Carnitor	1/7/1997	mitochondrial myopathy.	Pharmaceuticals, Inc.
2759	Levocarritine	Carritor	4///1337	initochondriai iriyopatriy.	Schering-Plough
2733	Posaconazole	Posoril	7/16/2004	Treatment of zygomycosis	Corporation
2760			7, 20, 200		or peration
	5-(4-Cyclopropyl-1H-imidazol-l-				
	yl)-2-fluoro-N-(6-(4-isopropyl-				
	4H-1,2,4-triazol-3-yl)pyridin-2-			Treatment pulmonary arterial	
	yl)-4-methylbenzamide	n/a	1/15/2015	hypertension	Gilead Sciences, Inc.
2761				Treatment Stage IIB-IV	
	binimetinib	n/a	11/19/2013	melanoma.	Array BioPharma, Inc.
2762					
				Treatment to increase survival	
	L-pyr-L-glu-L-gln-L-leu-L-glu-L-			and improve functioning of	
	arg-L-ala-L-leu-L-asn-L-ser-L-			pancreatic islets following	Araim
	ser	n/a	6/13/2016	transplantation	Pharmaceuticals, Inc.
2763				Treatment to mobilze progenitor	
	low molecular weight dextran			cells prior to stem cell	
	sulfate	Ibsolvmir(R)	7/6/2011	transplantation	TikoMed AB
2764	CD40/CD80/CD86 modified			Treatment Type 1 diabetes	
	autologous dendritic cell	,		mellitus patients with residual	
	therapy	n/a	12/20/2013	beta cell function	DiaVacs, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2765					
	4-[1]benzofuro[3,2-			-	
	d]pyrimidin-4-yl-N-(1,3-			Treatment, in combination with	
	benzodioxol-5-			radiotherapy and temozolomide	
	ylmethyl)piperazine-1-	n /n	7/20/2000	chemotherapy, of patients with	CumanCan Ina
2766	carbothioamide	n/a	//30/2008	glioblastoma multiforme.	SuperGen, Inc.
2766				Use as a modulator of	
				chemotherapy for the treatment	LISC-CHI A Institute
				of pediatric patients with primary	
	Buthionine sulfoxamine	n/a	10/5/2005	malignant brain tumors	Research
2767	Butilionine suiloxamme	ii/ a	10/3/2003	manghant brain tumors	Research
2707					
				Use as a targeted contrast agent	
				for diagnostic MRI for the	
				detection and localization of	
				focal liver lesions in patients	
				where use of gadolinium based	
	manganese (II) chloride			contrast agents may be medically	
	tetrahydrate (with L-alanine			inadvisable or where gadolinium	
	and vitamin D3 as promoters			based contrast agents cannot be	
	of absorption)	n/a	9/26/2013	administered	CMC Contrast AB
2768	,		2, = 2, = 0		
				Use as an antidote in the	
				management of systemic	
	sodium dichloroacetate	n/a	7/3/2003	monochloroacetic acid poisoning	EBD Group
2769			, ,		·
				Use in combination with a drug	
				delivery device for acute	
				treatment of sickle cell vaso-	
	nitric oxide	Inomax (R)	9/5/2008	occlusive crisis (pain crises)	INO Therapeutics

Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
			Use in pediatric patients with	
spironolactone	Aldactone	5/22/2014	primary hyperaldosteronism	CMP Pharma, Inc.
sitimagene ceradenovec	Cerepro	7/31/2001	Use with gancyclovir in the treatment of malignant glioma	Gliotherapy, Ltd.
5-aminolevulinic acid	Gliolan	1/15/2013	Visualization of malignant tissue during surgery for malignant glioma (WHO garde III and IV)	NX Development Corporation
Somatrem for injection	Protropin		1. Long-term treatment of children who have growth failure due to a lack of adequate endogenous growth hormone secretion (prevalence 15,000) 2. Treatment of short stature associated with Turner's	Genentech, Inc.
Potassium sitrata	Hrosit K	11/1/1004	1. Prevention of calcium renal stones in patients with hypocitraturia 2. For avoidance of the complication of calcium stone formation in patients with	University of Texas Health Science Center at Dallas
	spironolactone sitimagene ceradenovec 5-aminolevulinic acid	spironolactone Aldactone Sitimagene ceradenovec S-aminolevulinic acid Gliolan Somatrem for injection Protropin	spironolactone Aldactone 5/22/2014 sitimagene ceradenovec Cerepro 7/31/2001 5-aminolevulinic acid Gliolan 1/15/2013 Somatrem for injection Protropin 12/9/1985	Spironolactone Aldactone 5/22/2014 Use in pediatric patients with primary hyperaldosteronism Use with gancyclovir in the treatment of malignant glioma Visualization of malignant tissue during surgery for malignant 5-aminolevulinic acid Gliolan 1/15/2013 1. Long-term treatment of children who have growth failure due to a lack of adequate endogenous growth hormone secretion (prevalence 15,000) 2. Treatment of short stature associated with Turner's Somatrem for injection Protropin 12/9/1985 12/9/1985 12/9/1985 12/9/1985 12/9/1985 12/9/1985 12/9/1985 12/9/1985 13/9/1985 15/22/2014 Use in pediatric patients with primary hyperaldosteronism Use with gancyclovir in the treatment of malignant glioma Visualization of malignant tissue during surgery for malignant end its end in patients with hypocitraturia 2. For avoidance of the complication of calcium stone formation in patients with

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2775					
				1. Prevention of hyaline	
				membrane disease, also known	
				as respiratory distress syndrome,	
				in infants born at 32 weeks	
				gestation or less 2. prevention of	
				hyaline membrane disease	
				(HMD), also known as respiratory	
				distress syndrome (RDS), in	
				infants born at 32 weeks	
				gestation or less and in the	
	Colfosceril palmitate, cetyl	Exosurf Neonatal For		treatment of established HMO at	
	alcohol, tyloxapol	Intratracheal Suspension	10/20/1989	all gestational ages.	Glaxo Wellcome Inc.
2776				1. Treatment of growth failure in	
				children due to inadequate	
				growth hormone secretion 2.	
				Treatment of short stature	
	Somatropin (rDNA origin)			associated with Turner's	Novo Nordisk
	injection	Norditropin	7/10/1987	syndrome	Pharmaceuticals
2777					
				1. Treatment of life-threatening	
				ventricular tachyarrhythmias 2.	
					Berlex Laboratories,
	Sotalol HCl	Betapace	9/23/1988	ventricular tachyarrhythmias	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2778					
				Amelioration of recurrent attacks	
				of acute intermittent porphyria	
				(AIP) temporarily related to the	
				menstrual cycle in susceptible	
				women and similar symptoms	
				which occur in other patients	
				with AIP, porphyria variegata and	
	Hemin	Panhematin	3/16/1984	hereditary coproporphyria.	Abbott Laboratories
2779				An antidote in the treatment of 5-	
				fluorouracil or capecitabine	Wellstat Therapeutics
	uridine triacetate	n/a	5/1/2009	poisoning	Corp.
2780					
				As an adjunct in leukapheresis to	
				improve the harvesting and	
				increase the yield of leukocytes	DuPont
	Pentastarch	Pentaspan	8/28/1985	by centrifugal means.	Pharmaceuticals
2781				As an adjunct in the diagnosis of	
	Thyrotropin alpha	Thyrogen	2/24/1992	thyroid cancer.	Genzyme Corporation
2782					
				As an adjuvant to levodopa and	
				carbidopa treatment of	
				idiopathic Parkinson's disease	
				(paralysis agitans),	
				postencephalitic Parkinsonism,	Somerset
	Selegiline HCl	Eldepryl	11/7/1984	and symptomatic Parkinsonism.	Pharmaceuticals, Inc.
2783					
				As preparative therapy in the	Otsuka
				treatment of malignancies with	Pharmaceutical
	Busulfan	Busulfex	7/28/1994	bone marrow transplantation.	Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2784					
				As replacement therapy for	
				growth hormone deficiency in	
	Somatropin for injection	Nutropin	11/18/1996	adults after epiphyseal closure.	Genentech, Inc.
2785					
				Control and prevention of	
				hemorrhagic episodes in patients	
	Coagulation factor IX			with hemophilia B (congenital	
	(recombinant), Fc fusion	Al P	40/20/2000	factor IX deficiency or Christmas	D'acce de la company
2706	protein	Alprolix	10/30/2008	disease)	Biogen Idec Inc.
2786				Delaying time to disease	
				progression in patients with	Horizon Pharma
	Interferon gamma-1b	Actimmune	9/30/1996	severe, malignant osteopetrosis.	Ireland Limited
2787	,				
	Satumomab pendetide	Oncoscint Cr/Ov	9/25/1989	Detection of ovarian carcinoma.	Cytogen Corporation
2788					
				Diagnostic agent to assist in	
				establishing the diagnosis in	
				patients presenting with clinical	
				and laboratory evidence of	
				hypocalcemia due to either	
				hypoparathyroidism or	Rhone-Poulenc Rorer
	Teriparatide	Parathar	1/9/1987	pseudohypoparathyroidism.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2789	 Gallium [Ga-68]-N-[(4,7,10-				
	Tricarboxymethyl-1,4,7,10-				
	tetraazacyclododec-1-				
	yl)acetyl]-D-phenylalanyl-L-				
	cysteinyl-L-tyrosyl-D-				
	tryptophanyl-L-lysyl-L-			Diagnostic for the clinical	
	threoninyl-L-cysteinyl-L-			management of neuroendocrine	Advanced Accelerator
	threonine-cyclic(2-7)disulfide	Netspot	12/31/2013	tumors	Applications, USA
2790					
				For adjunctive therapy in the	
				prevention and treatment of	
				hyperammonemia in patients	
				with urea cycle enzymopathy due	
				to carbamylphosphate synthetase, ornithine,	
				transcarbamylase, or	
				argininosuccinate synthetase	
	Benzoate and phenylacetate	Ucephan		deficiency.	ImmunexImmunex
2791	Delizate and priorification	Собриши	2, 22, 2333		
				For antituberculosis treatment	
				where use of the oral form of the	Hoechst Marion
	Rifampin	Rifadin I.V.	12/9/1985	drug is not feasible.	Roussel
2792					
				For blockade of the	
				pharmacological effects of	
				exogenously administered	
				opioids as an adjunct to the	
				maintenance of the opioid-free	
	Naltura a LICI		2/44/4005	state in detoxified formerly	DuPont
	Naltrexone HCl	Trexan	3/11/1985	opioid-dependent individuals.	Pharmaceuticals

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2793				For continous epidural	
				administration as adjunctive	
				therapy with intraspinal opiates	
				for the treatment of pain in	
				cancer patients tolerant to, or	
				unresponsive to, intraspinal	Roxane Laboratories,
	Clonidine	Duraclon	1/24/1989	-	Inc.
2794				For dissolution of cholesterol	
				gallstones retained in the	Ethitek
	Monooctanoin	Moctanin	5/30/1984	common bile duct.	Pharmaceuticals, Inc.
2795					
				For enzyme replacement therapy	
				for ADA deficiency in patients	
				with severe combined	Sigma-tau
	Pegademase bovine	Adagen	5/29/1984	immunodeficiency.	Pharmaceuticals, Inc.
2796					
				For induction of ovulation in	
				patients with polycystic ovarian	
				disease who have an elevated	
				LH/FSH ratio and who have failed	
				to respond to adequate	
	Urofollitropin	Metrodin	11/25/1987	clomiphene citrate therapy.	EMD Serono, Inc.
2797				For induction of ovulation in	
				women with hypothalamic	
				amenorrhea due to a deficiency	
				or absence in the quantity or	
				pulse pattern of endogenous	Ferring Laboratories,
	Gonadorelin acetate	Lutrepulse	4/22/1987	GnRH secretion.	Inc.
2798				For localization of sentinel lymph	
	Technetium Tc99m sulfur	Technetium Tc99m Sulfur		nodes in patients with	
	colloid injection, lyophilized	Colloi	3/17/2009	melanoma.	Pharmalucence, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2799				For patients with radiolucent stones in well opacifying gallbladders, in whom elective surgery would be undertaken except for the presence of increased surgical risk due to	
	chenodiol	Chenix	9/21/1984	systemic disease or age	Solvay
2800	human monoclonal anti-PA antibody	Yervoy	10/21/2010	For post-exposure prophylaxis and treatment of inhalation anthrax.	Emergent Product Development Gaithersburg, Inc.
2801	Aprotinin	Trasylol	11/17/1993	For prophylactic use to reduce perioperative blood loss and the homologous blood transfusion requirement in patients undergoing cardiopulmonary bypass surgery in the course of repeat coronary artery bypass graft surgery, and in selected cases of primary coronary artery bypass graft surgery where the risk of bleeding is especially high (impaired hemostasis) or where transfusion is unavailable or unacceptable.	Bayer Corporation
2802	Aprounin	I I asylUl	11/1//1993	инассертавле.	bayer Corporation
2002	Lidocaine patch 5%	Lidoderm Patch	10/24/1995	For relief of allodynia (painful hypersensitivity), and chronic pain in postherpetic neuralgia.	Teikoku Pharma USA, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2803				For replacement therapy in	
				congenital deficiency of AT-III for	
				prevention and treatment of	
				thrombosis and pulmonary	
	Antithrombin III (human)	Thrombate Iii	11/26/1984	emboli.	Bayer Corporation
2804					
				For replacement therapy in	
				congenital protein C deficiency	
				for the prevention and treatment	
				of thrombosis, pulmonary	_
	Protein C concentrate	Ceprotin	6/23/1992	emboli, and purpura fulminans.	Baxalta US, Inc.
2805				For replacement therapy in	
			- / /	patients with Gaucher's disease	
	Alglucerase injection	Ceredase	3/11/1985	type I.	Genzyme Corporation
2806					
				For replacement therapy in the	
	Alpha1-proteinase inhibitor			alpha-1-proteinase inhibitor	
	(human)	Prolastin	12/7/1984	congenital deficiency state.	Bayer Corporation
2807					
				For rescue use after high dose	
			0/4=/4000	methotrexate therapy in the	
2000	Leucovorin	Leucovorin Calcium	8/1//1988	treatment of osteosarcoma.	Immunex Corporation
2808				Fourth a phlaticus of High Const.	
				For the ablation of High-Grade	
				Dysplasia in Barrett's Esophagus	
				in patients who are not	A Casa dialas
		District de	40/40/2004	considered to be candidates for	Axcan Scandipharm
	porfimer	Photofrin	10/19/2001	esophagectomy	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2809	Amiodarone HCl	Cordarone		For the acute treatment and prophylaxis of life-threatening ventricular tachycardia or ventricular fibrillation.	Wyeth-Ayerst Laboratories
2810				For the acute treatment of patients with status epilepticus	Warner-Lambert
2811	Fosphenytoin	Cerebyx	6/4/1991	of the grand mal type.	Company
				For the control and prevention of hemorrhagic episodes and for surgical prophylaxis in patients with hemophilia A (congenital	
	Antihemophilic factor (recombinant)	Refacto, Xyntha		factor VIII deficiency or classic hemophilia).	Wyeth Pharmaceuticals, Inc.
	coccidioidin SD Skin Test Antigen	n/a		For the diagnosis of Coccidioidomycosis	Allermed Labortories, Inc.
2813	lobenguane I 123	Adreview		For the diagnosis of neuroblastomas	GE Healthcare, Inc.
2814	Iobenguane I 123	Adreview		For the diagnosis of pheochromocytomas	GE Healthcare, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2815					
				For the initiation and re-initiation	
				of spermatogenesis in adult	
				males with reproductive failure	
				due to hypothalamic or pituitary	
				dysfunction, hypogonadotropic hypogonadism. AMENDED	
				indication 6/27/00: For the	
				induction of spermatogenesis in	
				men with primary and secondary	
				hypogonadotropic hypogonadism in whom the cause of infertility is	
				not due to primary testicular	
	Follitropin alfa, recombinant	Gonal-F	12/21/1998	failure.	EMD Serono, Inc.
2816				For the intravenous treatment of	
				moderate to severe	Cumberland
	acetylcysteine	Acetadote	10/19/2001	acetaminophen overdose	Pharmaceuticals, Inc.
2817				For the long term treatment of	
				For the long-term treatment of children who have growth failure	
				due to inadequate secretion of	
				normal endogenous growth	
	Somatropin for injection	Humatrope	6/12/1986	hormone.	Eli Lilly and Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2818					
				For the management of selected,	
				refractory, patients with	
				epilepsy, on stable regimens of	
				antiepileptic drugs (AEDs), who	
				require intermittent use of	
	Diazepam viscous solution for			diazepam to control bouts of	Valeant
	rectal administration	n/a	2/25/1992	increased seizure activity.	Pharmaceuticals
2819					
				For the photodynamic therapy of	
				patients with primary or	
				recurrent obstructing (either	QLT
				partially or completely)	Phototherapeutics,
	Porfimer sodium	Photofrin	6/6/1989	esophageal carcinoma.	Inc.
2820					
				For the prevention of	
				cardiomyopathy associated with	
	Dexrazoxane	Zinecard	12/17/1991	doxorubicin administration.	Pharmacia & Upjohn
2821	Rifampin, isoniazid,			For the short-course treatment	Hoechst Marion
	pyrazinamide	Rifater	9/12/1985	of tuberculosis.	Roussel
2822				For the stimulation of appetite	
				and prevention of weight loss in	
				patients with a confirmed	Unimed
	Dronabinol	Marinol	1/15/1991	diagnosis of AIDS.	Pharmaceuticals, Inc.
2823					
				For the treatment and	
	Pulmonary surfactant			prevention of respiratory distress	
	replacement, porcine	Curosurf	8/2/1993	syndrome in premature infants.	Chiesi USA, Inc.
2824					
				For the treatment of hepatic	Jazz Pharmaceuticals,
	defibrotide	Defitelio	5/21/2003	veno-occlusive disease	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2825				For the treatment of infections	
				due to Plasmodium falciparum or	
				mixed infections including P.	Novartis
	artemether/lumefantrine	Coartem	8/31/2007	falciparum.	Pharmaceuticals
2826					
				For the treatment of patients	
				with hereditary antithrombin III	
				deficiency in connection with	
				surgical or obstetrical procedures	Dhawaaaia () Uniaha
	Antithrombin III (human)	Atnativ	2/0/1005	or when they suffer from thromboembolism.	Pharmacia & Upjohn AB
2827	Antithrombin III (human)	Attiativ	2/8/1983	till offiboerfibolishi.	AD
2027				For the treatment of pediatric	
				·	iPR Pharmaceuticals,
	rosuvastatin	Crestor	2/14/2014	hypercholesterolemia	Inc.
2828					
				For use alone or in combination	
				with glutamine in the treatment	
	Somatropin (r-DNA)	Zorbtive	3/6/1995	of short bowel syndrome.	EMD Serono, Inc.
2829				For use as a chemoprotective	
				agent for cisplatin in the	
	Amifostine	[+by.ol	F /20 /1000	treatment of advanced ovarian	Medimmune
2830	Aminosume	Ethyol	5/30/1990	carcinoma.	Oncology, Inc.
2030				For use as a diluent in the	
				intrathecal administration of	
				methotrexate and cytarabine for	
				the prevention or treatment	
	Buffered intrathecal			meningeal leukemia and	
	electrolyte/dextrose injection	Elliotts B Solution	8/24/1994	lymphocytic lymphoma	Lukare Medical, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2831				For use as a prophylactic agent in	
				reducing the incidence of	
			/ /	ifosfamide-induced hemorrhagic	
2022	Mesna	Mesnex	11/14/1985	-	Degussa Corporation
2832				For use as a replacement	
				solution in patients undergoing	Carabra Danal
	ala aviliuma	n/a	2/14/2014	continuous renal replacement	Gambro Renal
2833	phoxilium	n/a	2/14/2014	For use as a thyroid blocking	Products, Inc.
2033				agent in pediatric patients	Floming & Company
	Potassium Iodide Oral Solution	Thyrochiold	11/17/2004	exposed to radiactive iodine	Fleming & Company, Pharmaceuticals
2834	Potassium louide Orai Solution	Thyrosineid	11/17/2004	exposed to radiactive loulile	Pridiffiaceuticais
2034				For use as an adjunctive topical	
				antimicrobial agent to control	
				bacterial infection when used	
				under moist dressings over	
				meshed autografts on excised	Mylan Laboratories,
	Mafenide acetate solution	Sulfamylon Solution	7/18/1990	burn wounds.	Inc.
2835		,			
				For use as replacement therapy	
				in patients with hemophilia B for	
				the prevention and control of	
				bleeding episodes, and during	
				surgery to correct defective	Alpha Therapeutic
	Coagulation Factor IX (human)	Alphanine	7/5/1990	hemostasis.	Corporation
2836				For use in association with	
				recombinant human follicle	
				stimulating hormone for the	
				treatment of women with	
				chronic anovulation due to	
	Recombinant human			hypogonadotropic	
	luteinizing hormone	Luveris	10/7/1994	hypogonadism.	EMD Serono, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2837	levoleucovorin	Fusilev	12/18/1990	For use in combination chemotherapy with the approved agent 5-fluorouracil in the palliative treatment of metastatic adenocarcinoma of the colon and rectum	Spectrum Pharmaceuticals, Inc.
2838			, -,		,
				For use in combination with 5-fluorouracil for the treatment of	
2839	Leucovorin	Leucovorin Calcium	12/8/1986	metastatic colorectal cancer.	Immunex Corporation
	Sulfadiazine	n/a	3/14/1994	' '	Eon Labs Manufacturing, Inc.
2840	Synthetic porcine secretin	Secreflo	3/7/2000	For use in conjunction with diagnostic, therapeutic, or combined diagnostic/therapeutic procedures for pancreatic disorders to increase pancreatic fluid secretion.	ChiRhoClin, Inc.
2841				For use in conjunction with high-	
	Levoleucovorin	Fusilev	8/1/1991	dose methotrexate in the treatment of osteosarcoma.	Spectrum Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2842					
				For use in differentiating	
				pituitary and ectopic production	
				of ACTH in patients with ACTH-	Ferring Laboratories,
	Corticorelin ovine triflutate	Acthrel	11/24/1989	dependent Cushings syndrome.	Inc.
2843					
				For use in microinfusion devices	
				for intraspinal administration in	
	Morphine sulfate concentrate			the treatment of intractable	
	(preservative free)	Infumorph	7/12/1990	chronic pain.	Elkins-Sinn, Inc.
2844				For use in the diagnosis of	
				gastrinoma associated with	
	Synthetic human secretin	Chirostim	6/16/1999	Zollinger-Ellison syndrome.	ChiRhoClin, Inc.
2845				For use in the diagnosis of	
				gastrinoma associated with	
	Synthetic porcine secretin	Secreflo	6/18/1999	Zollinger-Ellison syndrome.	ChiRhoClin, Inc.
2846				For use in the evaluation of	
	Synthetic porcine secretin	Secreflo	6/18/1999	exocrine pancreas function.	ChiRhoClin, Inc.
2847					
				For use in the long-term	
				treatment of children who have	
				growth failure due to a lack of	
				adequate endogenous growth	
	Somatropin	Nutropin	3/6/1987	hormone secretion.	Genentech, Inc.
2848					
				For use in the mobilization of	
				peripheral blood progenitor cells	
				for collection in patients who will	
				receive myeloablative or	
				myelosuppressive	
	Filgrastim	Neupogen	7/17/1995	chemotherapy.	Amgen, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2849	maffa maina 1161		4/42/4000	For use in the treatment of acute malaria due to Plasmodium falciparum and Plasmodium vivax, and for the prophylaxis of Plasmodium falciparum malaria which is resistant to other	Hoffmann-La Roche,
2850	mefloquine HCL	Lariam	4/13/1988	available drugs	Inc.
2830	moflequine IICI	Loriom	4/12/1000	For use in the treatment of acute malaria due to Plasmodium falciparum and Plasmodium vivax, and for the prophylaxis of Plasmodium falciparum malaria which is resistant to other	Hoffmann-La Roche,
2851	mefloquine HCL	Lariam	4/13/1988	available drugs	Inc.
	plerixafor	Mozobil (R)	7/10/2002	For use to improve the yield of progentor cells in the apheresis product for subsequest stem cell transplantation following myelosuppressive or myeloablative chemotherapy	Genzyme Corporation
2852	pierixaior	IVIOZODII (K)	7/10/2003	myeloablative chemotherapy	Genzyme Corporation
2032	Glutamine	Nutrestore	3/6/1995	For use with human growth hormone in the treatment of short bowel syndrome (nutrient malabsorption from the gastrointestinal tract resulting from an inadequate absorptive	Emmaus Medical, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2853					
				For ventricular tachycardia,	
				ventricular fibrillation, or the	
				maintenance of sinus rhythm in	
				patients converted from atrial	
				fibrillation or atrial flutter when	
				oral administration is not	Academic
	sotalol (IV)	So-Aqueous	7/25/2008		Pharmaceuticals
2854				High dose conditioning	
				treatment prior to hematopoietic	
				progenitor (stem) cell	Spectrum
	melphalan	Evomela	11/24/2008	transplantation	Pharmaceuticals, INc.
2855					
				Hormonal therapy of metastatic	
	Toremifene	Fareston	9/19/1991	carcinoma of the breast.	Orion Corporation
2856					
				Infection prophylaxis in pediatric	
	Immune globulin intravenous,			patients affected with the human	
	human	Gamimune N	2/18/1993	immunodeficiency virus.	Bayer Corporation
2857					
				Inhalation therapy for control of	
				gram-negative bacteria in the	Gilead Sciences
					(formerly Corus
	aztreonam	Cayston	3/12/2002	cystic fibrosis	Pharma)
2858					
				Long term enzyme replacement	
				therapy for patients with	
				mucopolysaccharidosis II (Hunter	
	idursulfase	Elaprase	11/28/2001	Syndrome)	Therapies, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2859					
				Long-term treatment of children	
				who have growth failure due to a	
				lack of adequate endogenous	
	Somatropin (rDNA origin)	Nutropin Depot	10/28/1999		Genentech, Inc.
2860				Maintenance treatment of	
				patients with deficiencies in	
	glycerol phenylbutyrate	Ravicti	4/27/2009	enzymes of the urea cycle	Horizon Pharma, Inc.
2861				Management of neuropathic pain	
				· · · · · · · · · · · · · · · · · · ·	Acorda Therapeutics,
	capsaicin	Qutenza	5/22/2009	3	Inc.
2862				Management of patients with	
				known hepatocellular carcinoma	
	ethiodized oil injection	Lipiodol	9/26/2013	(HCC)	Guerbet LLC
2863					
				Management of patients with	
				leukemia, lymphoma, and solid	
				tumor malignancies who are	
				receiving cancer therapy which	
				causes elevations of serum and	
				urinary uric acid levels and who	Catalytica
	Allopurinol sodium	Aloprim For Injection	10/16/1992	cannot tolerate oral therapy.	Pharmaceuticals, Inc
2864				Management of postherpetic	
	gabapentin	Gralise	11/8/2010	neuralgia	Depomed, Inc.
2865				Non-24-hour sleepwake disorder	
				in blind individuals without light	Vanda
	tasimelteon	Hetlioz	1/19/2010	perception	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2866				Passive immunization for the	
				treatment of exposed,	
				susceptible individuals who are	
	Varicella Zoster Immune			at risk of complications from	Cangene bioPharma,
	Globulin (Human)	Varizig	11/7/2006	varicella	Inc.
2867					
	acetylcysteine effervescent			Preventing hepatic injury from	Arbor
	tablets for oral solution	Cetylev	2/24/2015	acetaminophin overdose	Pharmaceuticals, Inc.
2868				Prevention and/or treatment of	
	C1-esterase-inhibitor, human,			acute attacks of hereditary	
	pasteurized	Berinert	10/16/1992	angioedema.	CSL Behring LLC
2869				Prevention of acute renal	Hoffmann-La Roche,
	Daclizumab	Zenapax	3/5/1993	allograft rejection.	Inc.
2870				Prevention of bleeding episodes	
				in patients with acquired	
	Coagulation factor VIIa			inhibitors to Factor VIII or Factor	
	(recombinant)	Novoseven	7/21/2004	IX	Novo Nordisk, Inc.
2871					
				Prevention of bleeding episodes	
	Coagulation factor VIIa			in patients with congenital Factor	
	(recombinant)	Novoseven	9/10/2004	VII deficiency	Novo Nordisk, Inc.
2872					
				Prevention of bleeding episodes	
	Coagulation factor VIIa			in patients with hemophilia A or	
	(recombinant)	Novoseven	6/18/2004	B, with or without inhibitors	Novo Nordisk, Inc.
2873				Prevention of cystine	
				nephrolithiasis in patients with	
	Tiopronin	Thiola	1/17/1986	homozygous cystinuria.	Pak, Charles Y.C. M.D.
2874				Prevention of disseminated	
				Mycobacterium avium complex	
				disease in patients with	Adria Laboratories,
	Rifabutin	Mycobutin	12/18/1989	advanced HIV infection.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2875				Prevention of hepatitis B	
	hepatitis B immune globulin			recurrence following orthotopic	
	(human)	Hepagam	3/24/2008	liver transplant	Cangene Corporation
2876				Prevention of Japanese	
	Japanese encephalitis vaccine,			encephalitis virus in pediatric	
	inactivated, adsorbed	Ixiaro	9/25/2012	patients.	Intercell AG
2877				Prevention of Pneumocystis	
				carinii pneumonia (PCP) in high-	
				risk, HIV-infected patients	
				defined by a history of one or	
				more episodes of PCP and/or a	
				peripheral CD4+ (T4	
				helper/inducer) lymphocyte	Glaxo Wellcome
				count less than or equal to	Research and
	Atovaquone	Mepron	8/14/1991	200/mm3.	Development
2878				Prevention of Pneumocystis	
				carinii pneumonia in patients at	
				high risk of developing this	
	Pentamidine isethionate	Nebupent	1/12/1988	disease.	Fujisawa USA, Inc.
2879				Prevention of preterm birth in	KV Pharmaceutical
	hydroxyprogesterone caproate	Makena	1/25/2007	singleton pregnancies	Company
2880				Prevention of severe	
				chemotherapy-induced	Genetics Institute,
	Oprelvekin	Neumega	12/17/1996	thrombocytopenia.	Inc.
2881					University of Texas
				Prevention of uric acid	Health Science Center
	Potassium citrate	Urocit-K	11/1/1984	nephrolithiasis.	at Dallas

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2882				Prevention of vitamin deficiency	
				and thromboembolic	
				complications in people receiving	
				home parenteral nutrition and	
	multi-vitamin infusion without			warfarin-type anticoagulant	Mayne Pharma (USA)
	vitamin K	M.V.I12	3/8/2004	therapy	Inc.
2883					
				Prevention or attenuation of	
				primary cytomegalovirus disease	
	Cytomegalovirus immune			in immunosuppressed recipients	
	globulin (human)	Cytogam	8/3/1987	of organ transplants.	CSL Behring LLC
2884	,	, 0			Ü
				Prophylactic use to prevent or	
				reduce the frequency of bleeding	
				episodes in patients with	
				hemophilia B (routine	
	_			prophylaxis in patients where	
	coagulation factor IX			there is no evidence or suspicion	
2005	(recombinant)	Rixubis	10/31/2012	of bleeding)	Baxalta US, Inc.
2885				Dranhylavic and treatment of	
				Prophylaxis and treatment of bleeding in individuals with	
				hemophilia A or for prophylaxis	
	Antihemophilic factor			when surgery is required in	
	(recombinant)	Kogenate	9/25/1989	individuals with hemophilia A.	Bayer Corporation
2886		- 0	3, 20, 200	Prophylaxis of bleeding	,
	coagulation factor XIII A-			associated with congential factor	
	subunit (recombinant)	Tretten	11/6/2003	XIII deficiency	Novo Nordisk, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2887				Prophylaxis of organ rejection in	Veloxis
	tacrolimus	Envarsus Xr	12/20/2013	patients receiving allogeneic kidney transplant	Pharmaceuticals, Inc.
2888		2	==,==,===	Prophylaxis of organ rejection in	i namaccaricale, mei
				patients receiving heart	Astellas Pharma US,
	Tacrolimus	Prograf	6/6/2005	transplants.	Inc.
2889					
				Prophylaxis of organ rejection in	Bristol-Myers Squibb
	belatacept	Nulojix	2/20/2008	renal allograft recipients	Company
2890				Prophylaxis of respiratory	
				syncytial virus lower respiratory	MedImmune &
				tract infections in infants and	Massachussetts
	Respiratory syncytial virus		0/27/4000	young children at high risk of RSV	
2004	immune globulin (Human)	Respigam	9/27/1990	disease.	Biologics Labs.
2891				Drophylavic of solid organ	Novartis
	Basiliximab	Cimulant	12/12/1007	Prophylaxis of solid organ	Pharmaceuticals
2892	Basiliximab	Simulect	12/12/1997	rejection.	Corporation
2892					
				Reduction in signs and symptoms	
				of moderately to severely active	
				polyarticular-course juvenile	
				rheumatoid arthritis in patients	
				who have had an inadequate	
				response to one or more disease-	
	etanercept	Enbrel	10/27/1998	modifying anti-rheumatic drugs.	Immunex Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2893					
				Reduction in the duration of	
				neutropenia, fever, antibiotic	
				use, and hospitalization,	
				following induction and	
	Filosoption	Navasas	11/7/1006	consolidation treatment for	Amazon Inc
2894	Filgrastim	Neupogen	11///1996	acute myeloid leukemia.	Amgen, Inc.
2094				Reduction of the incidence of	
				moderate to severe xerostomia	
				in patients undergoing post-	
				operative radiation treatment for	Medimmune
	Amifostine	Ethyol	5/12/1998	head and neck cancer.	Oncology, Inc.
2895			0,11,1000	Reduction of the risk of breast	
				cancer in postmenopausal	
	raloxifene	Evista	7/14/2005		Eli Lilly and Company
2896				Relief of symptoms of multiple	
	dalfampridine	Ampyra	6/2/1987	sclerosis	Acorda Therapeutics
2897				Replacement therapy in patients	
				with types I, II, and III Gaucher's	
	Imiglucerase	Cerezyme	11/5/1991	disease.	Genzyme Corporation
2898					
				Replacement treatment and	Armour
				prophylaxis of the hemorrhagic	Pharmaceutical
	Coagulation factor IX	Mononine	6/27/1989	complications of hemophilia B.	Company
2899					
				Routine prophylaxis to prevent	
				or reduce the frequency of	
	anti-inhibitor coagulant	Foiba	4/42/2042	bleeding episodes in hemophilia	Davalta LIC Las
	complex	Feiba	4/12/2013	A and B patients with inhibitors	Baxalta US, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2900					
				Selectively staining epiretinal	Dutch Ophthalmic
			- /- /	membranes during ophthalmic	Research Center Int'l
2004	Trypan blue	Membraneblue	8/2/2006	surgical vitrectomy procedures	BV
2901			2/0/2006	Therapeutic treatment of	
2002	bevacizumab	Avastin	2/9/2006	patients with ovarian cancer	Genentech, Inc.
2902				T	
				To control the clinical	
				consequences of hyperuricemia	
				in patients with severe gout in	
				whom conventional therapy is	
	and the contract of the contra	W. ala	2/24/2004	contraindicated or has been	Horizon Pharma
2002	pegloticase	Krystexxa	2/21/2001	ineffective.	Rheumatology, LLC
2903				To reduce mucous viscosity and	
				enable the clearance of airway	
	D	D. 1	4 /4 5 /4 004	secretions in patients with cystic	C I I
2004	Dornase alfa	Pulmozyme	1/16/1991	TIDFOSIS.	Genentech, Inc.
2904				To vode on a strong on d	
				To reduce neutropenia and	
				leukopenia and decrease the incidence of death due to	
	Cargramactim	Leukine	2/6/1005	infection in patients with acute	Immunov Cornoration
2905	Sargramostim	Leukine	3/0/1995	myelogenous leukemia.	Immunex Corporation
2905				To reverse the anticeagulant	
				To reverse the anticoagulant effect of dabigatran due to	
				uncontrolled life-threatening bleeding requiring urgent	
				intervention or a need to	
				undergo an emergency surgery/urgent invasive	Boehringer Ingelheim
	idarusizumah	n/2	E/20/201E		
	idarucizumab	n/a	5/28/2015	procedure	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2906				Treatament of myelodysplastic	
	azacitidine	Vidaza	12/3/2001	syndromes	Celgene Corporation
2907				Treatment and prevention of	
	antihemophilic factor			episodic bleeding in patients with	
	(recombinant), porcine			inhibitor antibodies to human	
	sequence	Obizur	3/16/2004	coagulation factor VIII	Baxalta US, Inc.
2908					
				Treatment and prevention of	
				respiratory failure due to	
				pulmonary surfactant deficiency	
	calfactant	Infasurf	6/7/1985	in preterm infants.	ONY, Inc.
2909				Treatment BRAF V600 mutation	Novartis
				positive Stage IIB through IV	Pharmaceuticals
	dabrafenib	Tafinlar	1/12/2011	melanoma	Corp.
2910	Lanreotide	Somatuline Depot	9/11/2000	Treatment for acromegly	IPSEN, Inc.
2911					
				Treatment gastrointestinal	Bayer HealthCare
	regorafenib	Stivarga	1/12/2011	stromal tumors	Pharmaceuticals, Inc.
2912				Treatment of (acute attacks of)	
				angioedema caused by	
	C1-esterase inhibitor			hereditary or acquired C1-	
	(recombinant)	Ruconest	2/23/1999	esterase inhibitor deficiency.	Santarus, Inc.
2913					Galderma
	Metronidazole (topical)	Metrogel	10/22/1987	Treatment of acne rosacea.	Laboratories, Inc.
2914					Novartis
					Pharmaceuticals
	pasireotide	n/a	8/25/2009	Treatment of acromegaly	Corporation
2915					Novartis
					Pharmaceuticals
	Octreotide	Sandostatin Lar	8/24/1998	Treatment of acromegaly.	Corporation
2916					
	Pegvisomant	Somavert	6/24/1997	Treatment of acromegaly.	Sensus Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2917	bedaquiline; (1R,2S) 6-bromo-				
	alpha-[2-				
	(dimethylamino)ethyl]-2-				
	methoxy-alpha-(1-naphthyl)-				Jameson Dagagrah ()
	beta-phenyl-3- quinolineethanol	Sirturo	1/10/2005	Treatment of active tuberculosis	Janssen Research & Development, LLC
2918	quinoimeethanoi	Sirturo	1/10/2005	Treatment of acute cyanide	Development, LLC
2910	Hydroxocobalamin	Cyanokit	11/25/2003	1	SERB, S.A.
2919	Tryuroxocobalamin	Cyanokit	11/25/2003	Treatment of acute herpetic	JEND, J.A.
2313				keratitis (dendritic and	Sirion Therapeutics,
	ganciclovir	Zirgan		geographic ulcers)	Inc.
2920	Barrerer	18	0,121,2007	Treatment of acute	
				hyperammonemia and	
				associated encephalopathy in	
				patients with deficiencies in	Medicis
	benzoate/phenylacetate	Ammonul	11/22/1993	enzymes of the urea cycle.	Pharmaceutical Corp.
2921				Treatment of acute	
	clofarabine	Clolar	2/7/2002	lymphoblastic leukemia	Genzyme Corporation
2922	vinCRIStine sulfate LIPOSOME			Treatment of acute	Talon Therapeutics,
	injection	Marqibo	1/8/2007	lymphoblastic leukemia	Inc.
2923				Treatment of acute	Novartis
				lymphoblastic leukemia and	Pharmaceuticals
	nelarabine	Arranon	8/10/2004	lymphoblastic lymphoma	Corp.
2924				Treatment of acute	
				lymphoblastic leukemia in	Nova Laboratories
	mercaptopurine oral solution	Purixan	8/20/2012	pediatric patients	Limited
2925	EP1	DI' I .	F /4 C /2000	Treatment of acute lymphocytic	
2026	blinatumomab	Blincyto	5/16/2008	<u>іеикетіа</u>	Amgen, Inc.
2926				Treatment of acute himshes the	Jazz Pharmaceuticals,
	Frwinia Lasnaraginasa	Erwinaso	7/30/1986	Treatment of acute lymphocytic	Inc.
	Erwinia L-asparaginase	Erwinase	//30/1986	lieukeiiiia.	IIIC.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2927				Treatment of acute lymphocytic	
	Pegaspargase	Oncaspar	10/20/1989	leukemia.	Baxalta US, Inc.
2928					
				Treatment of acute myelogenous	
	_			,	Adria Laboratories,
	Idarubicin HCl for injection	Idamycin	7/25/1988	acute nonlymphocytic leukemia.	Inc.
2929					
				Treatment of acute myelogenous	
				leukemia, also referred to as	
	Mitoxantrone HCl	Novantrone	7/13/1987	acute nonlymphocytic leukemia.	Lederle Laboratories
2930				Treatment of acute	
	Arsenic trioxide	Trisenox	3/3/1998	promyelocytic leukemia.	Cephalon
2931				Treatment of acute	Hoffmann-La Roche,
	Tretinoin	Vesanoid	10/24/1990	promyelocytic leukemia.	Inc.
2932				Treatment of adults with growth	
	Somatropin	Genotropin	9/6/1994	hormone deficiency.	Pharmacia & Upjohn
2933				Treatment of advanced	
	collagenase clostridium			(Auxilium
	histolyticum	Xiaflex	5/23/1996	Dupuytren's disease.	Pharmaceuticals, Inc.
2934					
				Treatment of advanced	Medimmune
	Altretamine	Hexalen	2/9/1984	adenocarcinoma of the ovary.	Oncology, Inc.
2935					
				Treatment of advanced breast	
				cancer in postmenopausal	
				women whose disease has	
				progressed following tamoxifen	
	Exemestane	Aromasin	9/19/1991	therapy.	Pharmacia & Upjohn
2936				_	
	zidovudine	Retrovir	7/17/1985	Treatment of AIDS	Glaxo Wellcome Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2937					
				Treatment of AIDS associated	
	Atovaquone	Mepron	9/10/1990	Pneumocystis Carinii Pneumonia.	
2938	Interferon alfa-2a			Treatment of AIDS related	Hoffmann-La Roche,
	(recombinant)	Roferon-A	12/14/1987	Kaposi's sarcoma.	Inc.
2939			- / /		Hoffmann-La Roche,
	Zalcitabine	Hivid	6/28/1988	Treatment of AIDS.	Inc.
2940					
				Treatment of AIDS-associated	
	Somatropin for injection	Serostim	11/15/1991	catabolism/weight loss.	EMD Serono, Inc.
2941			- 4 4	Treatment of AIDS-related	
	Alitretinoin	Panretin	3/24/1998	Kaposi's sarcoma.	Eisai, Inc
2942	Interferon alfa-2b		- 1 1	Treatment of AIDS-related	
	(recombinant)	Intron A	6/24/1987	Kaposi's sarcoma.	Schering Corporation
2943					
					Bristol-Myers Squibb
				Treatment of AIDS-related	Pharmaceutical
	Paclitaxel	Taxol	3/25/1997	Kaposi's sarcoma.	Research Institute
2944				Treatment of ALK-positive non-	
	alectinib	Alecensa	1/27/2015	small cell lung cancer	Genentech, Inc.
2945					
				Treatment of ALK-positive, MET-	
				positive, or ROS-positive non-	
	crizotinib	Xalkori	9/13/2010	small cell lung cancer	Pfizer, Inc.
2946					Presutti Laboratories,
	Tinidazole	Tindamax	8/20/2003	Treatment of amebiasis	Inc.
2947					
				Treatment of amyotrophic lateral	Rhone-Poulenc Rorer
	Riluzole	Rilutek	3/16/1993		Pharmaceuticals, Inc.
2948				Treatment of anaplastic large cell	
	brentuximab vedotin	Adcetris	10/23/2008	lymphoma	Seattle Genetics, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2949					
				Treatment of anemia associated	
	Epoetin alfa	Epogen	4/10/1986	with end stage renal disease.	Amgen, Inc.
2950				Treatment of anemia associated	
				with HIV infection or HIV	
	Epoetin alfa	Epogen	7/1/1991	treatment.	Amgen, Inc.
2951					
	C1 esterase inhibitor (human)	Cinryze(R)		Treatment of angioedema	Shire
2952	ecallantide	Kalbitor		Treatment of angioedema	Dyax Corp.
2953	ecallantide	Kalbitor	2/4/2003	Treatment of angioedema	Dyax Corp.
2954					Shire Orphan
	icatibant	Firazyr	11/25/2003	Treatment of angioedema	Therapies
2955				Treatment of anthracycline	
				extravasation during	Clinigen Healthcare
	dexrazoxane	Totect(R)	3/25/2004	chemotherapy	Ltd.
2956					Human Genome
	raxibacumab	Abthraxtm	11/12/2003	Treatment of anthrax	Sciences, Inc.
2957					Novartis
					Pharmaceuticals
	eltrombopag	Promacta	11/8/2013	Treatment of aplastic anemia	Corp.
2958				Treatment of apnea of	O.P.R. Development,
	Caffeine	Cafcit	9/20/1988	prematurity.	L.P.
2959					
				Treatment of atypical hemolytic	Alexion
	eculizumab	Soliris	4/29/2009	uremic syndrome	Pharmaceuticals, Inc.
2960		Ocuflox Ophthalmic		Treatment of bacterial corneal	
	Ofloxacin	Solution	4/18/1991	ulcers.	Allergan, Inc.
2961	Fludarabine phosphate oral			Treatment of B-cell chronic	Sanofi-Aventis U.S.,
	tablets	n/a	12/18/2007	lymphocytic leukemia	Inc.
2962					
				Treatment of B-cell non-	Spectrum
	ibritumomab tiuxetan	Zevalin	9/6/1994	Hodgkin's lymphoma.	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2963					
	coagulation factor VIIa			Treatment of bleeding episodes	
	(recombinant)	Novoseven Rt	6/18/2004		Novo Nordisk Inc.
2964				Treatment of bleeding episodes	
	Constitution for the AMILE			in hemophilia A or B patients	
	Coagulation factor VIIa	Navasavas	C /C /4 000	with inhibitors to Factor VIII or	Nava Navdiali Ina
2965	(recombinant)	Novoseven	6/6/1988	Factor IX.	Novo Nordisk, Inc.
2965				Treatment of bleeding episodes in patients with acquired	
	Coagulation Factor VIIa			inhibitors to Factor VIII or Factor	
	(Recombinant)	Novoseven	7/16/2004		Novo Nordisk, Inc.
2966	(Necombinant)	Novoseven	7/10/2004	IA .	NOVO NOI UISK, IIIC.
2500				Treatment of bleeding episodes	
	Coagulation factor VIIa			in patients with congenital factor	
	(recombinant)	Novoseven		VII deficiency	Novo Nordisk, Inc.
2967				,	,
	botulism antitoxin heptavalent				
	(A, B, C, D, E, F, G) (Equine)	n/a	6/29/2011	Treatment of botulism.	Cangene Corporation
2968					Pharmacia & Upjohn
	Epirubicin	Ellence	9/14/1999	Treatment of breast cancer.	Company
2969					
				Treatment of bronchopulmonary	
				infections of Pseudomonas	
				aeruginosa in cystic fibrosis	Novartis
2076	Tobramycin for inhalation	Tobi	10/13/1994	patients.	Pharmaceuticals Corp
2970					A . 11
	Valuuhiain	\/alata#	E /22 /400 4	Treatment of carcinoma in situ of	
2971	Valrubicin	Valstar		the urinary bladder. Treatment of Castleman's	Pharmaceuticals, Inc.
29/1	siltuximab	Sylvant	5/26/2006		Janssen Biotech, Inc.
2972	13.0			Treatment of CD33-positive	Wyeth-Ayerst
	Gemtuzumab zogamicin	Mylotarg		acute myeloid leukemia.	Laboratories

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2973					
				Treatment of central precocious	Endo Pharmaceuticals
	Histrelin	Supprelin La	11/18/2005	puberty	Solutions, Inc.
2974					
		ļ	7/25/4000	Treatment of central precocious	Tap Pharmaceuticals,
2075	Leuprolide acetate	Lupron Injection	7/25/1988	puberty	Inc.
2975				Treatment of control processors	Roberts
	Histrelin acetate	Supprelin Injection	8/10/1988	Treatment of central precocious	Pharmaceutical Corp.
2976	Tilstreiiii acetate	Supprenninjection	8/10/1388	Treatment of central precocious	Filarmaceutical Corp.
	Nafarelin acetate	Synarel Nasal Solution	7/20/1988	·	Syntex (USA), Inc.
2977	Transcent acceate	Symater Husan Solution	772071300	pacerty.	Syntex (OS/1), me.
	Botulinum toxin type A	Botox	8/20/1986	Treatment of cervical dystonia.	Allergan, Inc.
2978	,,			,	Soltice
	Botulinum toxin type B	Myobloc	1/16/1992	Treatment of cervical dystonia.	Neurosciences, LLC
2979				Treatment of chronic	Horizon Pharma
	Interferon gamma 1-b	Actimmune	9/30/1988	granulomatous disease.	Ireland Limited
2980					
				Treatment of chronic hepatitis C	
	ribavirin	Rebetol	4/4/2003	in pediatric patients	Schering Corporation
2981				Treatment of chronic	
		(2)		inflammatory demyelinating	Grifols Therapeutics,
2002	Immune Globulin (Human)	Gamunex(R)-C	7/27/2004	polyneuropathy	Inc.
2982				Treatment of chronic iron	Novartis
	deferasirox	Exjade	2/24/2015	overload in alpha-thalassemia	Pharmaceuticals Corporation
2983	ueieiasiiux	Exjaue	2/24/2015	overioad iii aipiia-tiiaiassemia	Corporation
2303				Treatment of chronic iron	Novartis
				overload in patients with	Pharmaceuticals
	Deferasirox	Exjade	11/21/2002	transfusion-dependent anemias	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2984					
	bendamustine for 50 ml			Treatment of chronic	Eagle
	admixture	Bendeka	7/2/2014	lymphocytic leukemia	Pharmaceuticals, INc.
2985				Treatment of chronic	
	Bendamustine hydrochloride	Treanda	8/17/2007	lymphocytic leukemia	Cephalon, Inc.
2986				Treatment of chronic	
	obinutuzumab	Gazyva	2/17/2012	lymphocytic leukemia	Genentech, Inc.
2987					Novartis
				Treatment of chronic	Pharmaceuticals
	ofatumumab	Arzerra	3/10/2009	lymphocytic leukemia	Corporation
2988					Novartis
				Treatment of chronic	Pharmaceuticals
	ofatumumab	Arzerra	3/10/2009	lymphocytic leukemia	Corporation
2989					Novartis
				Treatment of chronic	Pharmaceuticals
	ofatumumab	Arzerra	3/10/2009	lymphocytic leukemia	Corporation
2990					Novartis
				Treatment of chronic	Pharmaceuticals
	ofatumumab	Arzerra	3/10/2009	lymphocytic leukemia	Corporation
2991				Treatment of chronic	
	rituximab	Rituxan	1/29/2004	lymphocytic leukemia	Genentech, Inc.
2992				Treatment of chronic	
	venetoclax	Venclexta	9/20/2012	lymphocytic leukemia	AbbVie, Inc
2993				Treatment of chronic	
	ibrutinib	Imbruvica	4/6/2012	lymphocytic leukemia (CLL)	Pharmacyclics, LLC
2994				Treatment of chronic	
	ibrutinib	Imbruvica	4/6/2012	lymphocytic leukemia (CLL)	Pharmacyclics, LLC
2995				Treatment of chronic	
	ibrutinib	Imbruvica	4/6/2012	lymphocytic leukemia (CLL)	Pharmacyclics, LLC
2996				Treatment of chronic	
				lymphocytic leukemia (CLL),	Berlex Laboratories,
	Fludarabine phosphate	Fludara	4/18/1989	including refractory CLL.	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
2997				Treatment of chronic	
				lymphocytic leukemia and small	
	idelalisib	Zydelig	10/15/2013	lymphocytic lymphoma	Gilead Sciences, Inc.
2998				Treatment of chronic	
	alemtuzumab	Campath	10/20/1997	lymphocytic leukemia.	Genzyme Corporation
2999					
				Treatment of chronic	Wyeth
	bosutinib	Bosulf	2/24/2009	myelogenous leukemia	Pharmaceuticals, Inc.
3000				Treatment of chronic	Bristol-Myers Squibb
	Dasatinib	Sprycel	11/28/2005	myelogenous leukemia	Company
3001					Novartis
				Treatment of chronic	Pharmaceuticals
	Imatinib	Gleevec	1/31/2001	myelogenous leukemia	Corporation
3002					Novartis
				Treatment of chronic	Pharmaceutical
	nilotinib	Tasigna	4/27/2006	myelogenous leukemia	Corporation
3003				Treatment of chronic	IVAX International
	omacetaxine mepesuccinate	Synribo	3/10/2006	myelogenous leukemia	GmbH
3004				Treatment of chronic	Hoffmann-La Roche,
	Interferon alfa-2a	Roferon A	6/6/1989	myelogenous leukemia.	Inc.
3005					
				Treatment of chronic myeloid	ARIAD
	ponatinib	Iclusig	11/20/2009	leukemia	Pharmaceuticals Inc.
3006				Treatment of chronic	
				thromboembolic pulmonary	Bayer HealthCare
	riociguat	Adempas	9/19/2013	hypertension	Pharmaceuticals, Inc.
3007					
				Treatment of CIAS1-Associated	Regeneron
	Rilonacept	Arcalyst	12/20/2004	Periodic Syndromes	Pharmaceuticals, Inc.
3008	Vaccinia Immune Globulin			Treatment of complications of	
	(Human) Intravenous	Cnj-016	6/18/2004	vaccinia vaccination	Cangene Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3009					
				Treatment of congenital	
				antithrombin deficiency to	
				prevent the occurrence of	
				serious, potentially life-	
				threatening venous	
	and the same because of			thromboembolisms which may	CTC Dietherman entire
	recombinant human	A ±	12/7/2007	develop as a result of surgical or	GTC Biotherapeutics,
2010	antithrombin	Atryn	12///2007	obstetrical procedures	Inc.
3010	factor XIII concentrate	0	4 /4 5 /4 0 0 5	Treatment of congenital factor	
2011	(human)	Corifact	1/16/1985	XIII deficiency	CSL Behring LLC
3011	factor XIII concentrate	Control (4 /4 5 /4 0 0 5	Treatment of congenital factor	
2012	(human)	Corifact	1/16/1985	XIII deficiency	CSL Behring LLC
3012				T	
	Carranida	C ava i d	12/10/1002	Treatment of congenital sucrase-	
2012	Sacrosidase	Sucraid	12/10/1993	isomaltase deficiency	QOL Medical, LLC
3013				Treatment of corneal cystine	C: T
		Catana	0/40/4007	crystal accumulation in cystinosis	~
2014	Cysteamine hydrochloride	Cystaran	8/19/1997	patients.	Pharmaceuticals, Inc.
3014				Turntur out of coursel categin	
	riboflavin ophthalmic solution	District Viscos	42/2/2044	Treatment of corneal ectasia	A
2045	ultraviolet-A (UVA) irradiation	Photrexa Viscous		following refractive surgery	Avedro, Inc.
	infliximab	Remicade	11/14/1995	Treatment of Crohn's disease	Centocor, Inc.
3016				To a through of an armin	Correction Completes
		Win and	0/10/2010	Treatment of cryopyrin-	Swedish Orphan
2017	anakinra	Kineret	8/19/2010	associated periodic syndromes	Biovitrum AB (publ)
3017				Treatment of an ioning	Novartis
		II	42/40/2007	Treatment of cryopyrin-	Pharmaceuticals
2010	canakinumab	Ilaris	12/18/2007	associated periodic syndromes	Corporation
3018	Line control on the basis in D	A wala in a wala	12/10/1000	Treatment of cryptococcal	Fullance LICA Inc
	Liposomal amphotericin B	Ambisome	12/10/1996	meningitis.	Fujisawa USA, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3019					Romark Laboratories,
	Nitazoxanide	Alinia	12/12/1996	Treatment of cryptosporidiosis.	L.C.
3020					Novartis
					Pharmaceuticals
	pasireotide	Signifor	7/24/2009	Treatment of Cushing's disease	Corporation
3021				Treatment of cutaneous T-cell	
	Bexarotene	Targretin	6/18/1999	lymphoma.	Eisai, Inc.
3022					
					Vertex
	lumacaftor/ivacaftor	Orkambi	6/30/2014	Treatment of cystic fibrosis	Pharmaceuticals Inc.
3023					Raptor Therapeutics,
	cysteamine enteric coated	Procysbi	10/24/2006	Treatment of cystinosis	Inc.
3024					Raptor Therapeutics,
	cysteamine enteric coated	Procysbi	10/24/2006	Treatment of cystinosis	Inc.
3025					Bausch & Lomb
				Treatment of cytomegalovirus	Surgical, Chiron Vision
	Ganciclovir intravitreal implant	Vitrasert Implant	6/7/1995	retinitis.	Products
3026				Treatment of	Novartis
				dermatofibrosarcoma	Pharmaceuticals
	imatinib mesylate	Gleevec	12/19/2005	protuberans	Corporation
3027					
				Treatment of diarrhea associated	Novartis
				with vasoactive intestinal peptide	Pharmaceuticals
	Octreotide	Sandostatin Lar	8/24/1998	tumors (VIPoma).	Corporation
3028					
				Treatment of dynamic muscle	
				contractures in pediatric cerebral	
	Botulinum toxin type A	Dysport	10/20/1999	palsy patients.	Ipsen Limited
3029				Treatment of endogenous and	
				traumatic anterior uveitis and	Alcon
	difluprednate	Durezol	9/30/2008	panuveitis.	Pharmaceuticals. Ltd.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3030					
	Antivenin crotaline (pit-viper)			Treatment of envenomation by	Rare Disease
	equine immune F(ab)2)	Anavip	1/29/2004	Crotaline snakes	Therapeutics, Inc.
3031				Treatment of envenomations	
	Antivenin, crotalidae		. / /	inflicted by North American	
2022	polyvalent immune Fab (ovine)	Crofab	1/12/1994	crotalid snakes.	Protherics, Inc.
3032					
				Treatment of epidermal growth	
				factor receptor (EGFR) mutation-	Daalasis aas ka aallaaiss
	a fastinila	C:l_+:f	12/2/2012	positive non-small cell lung	Boehringer Ingelheim
2022	afatinib	Gilotrif	12/3/2012	cancer (NSCLC).	Pharmaceuticals, Inc.
3033				Treatment of epidermal growth	
				factor receptor mutation-positive	ActraZanaca
	antitinih	Irocco	9/26/2014	· · · · · · · · · · · · · · · · · · ·	
3034	gefitinib	Iressa	8/20/2014	non-small cell lung cancer	Pharmaceuticals LP
3034				Treatment of epidermal growth	
				factor receptor mutation-positive	ActraZonoca
	osimertinib	Tagrisso	0/4/2014	non-small cell lung cancer	Pharmaceuticals LP
3035	Osimer timb	1 agi 1550	3/4/2014	Treatment of erythema nodosum	riiai iiiaceuticais Er
3033	Thalidomide	Thalomid	7/26/1995		Celgene Corporation
3036	mandomac	maiomia	7/20/1333	тергозині.	ceigene corporation
3030				 Treatment of essential	Roberts
	Anagrelide	Agrylin	1/27/1988	thrombocythemia.	Pharmaceutical Corp.
3037	7	יייז יסי <i>ו</i> '''	1,2,,1300		r narmaceaticar corp.
3037				Treatment of excessive daytime	
	Modafinil	Provigil	3/15/1993	sleepiness in narcolepsy.	Cephalon, Inc.
3038			3, 13, 1333	Treatment of exposure to B.	Elusys Therapeutics,
	obiltoxaximab	Anthim	6/9/2006	anthracis spores	Inc.
3039			3,3,2000		
	Ceramide trihexosidase/alpha-				
	galactosidase A	Fabrazyme	1/19/1988	Treatment of Fabry's disease.	Genzyme Corporation

3041 Treatment of familial AR Holl colchicine Colcrys 9/25/2007 Mediterranean fever Inc. 3042 human fibrinogen concentrate, Treatment of fibrinogen deficient	entech, Inc. olding Company, Behring, LLC
3041 Treatment of familial AR Hollocolchicine Colcrys 9/25/2007 Mediterranean fever Inc. 3042 human fibrinogen concentrate, Treatment of fibrinogen deficient	olding Company,
colchicineColcrys9/25/2007Mediterranean feverInc.3042human fibrinogen concentrate,Treatment of fibrinogen deficient	
3042 human fibrinogen concentrate, Treatment of fibrinogen deficient	Sehring, LLC
	Behring, LLC
Inactourized Biacton 2/12/2008 Instincts ICL Bo	Behring, LLC
pasteurized Riastap 3/13/2008 patients. CSL Be	· · · · · · · · · · · · · · · · · · ·
3043 Treatment of follicular	
idelalisib Zydelig 9/26/2013 lymphoma Gilead	d Sciences, Inc.
3044 Treatment of follicular	
obinutuzumab Gazyva 4/15/2015 lymphoma Genen	entech, Inc.
Treatment of Follicular Lymphoma, Small Lymphocytic Lymphoma, Lymphoplasmacytic Lymphoma, Splenic Marginal Zone Lymphoma, Extranodal Marginal Zone B-cell Lymphoma of Mucosa-Associated Lymphoma Tissue (MALT), and Nodal Marginal Zone Lymphoma (Collectively Indolent B-cell Non- admixture Bendeka 7/2/2014 Hodgkin's Lymphoma) Pharm	e maceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3046					
				Treatment of Follicular Lymphoma, Small Lymphocytic Lymphoma, Lymphoplasmacytic Lymphoma, Splenic Marginal Zone Lymphoma, Extranodal Marginal Zone B-cell Lymphoma of Mucosa-Associated	
			44 (05 (0040	Lymphoma Tissue (MALT), and Nodal Marginal Zone Lymphoma (Collectively Indolent B-cell Non-	
3047	bendamustine hydrochloride	Treanda	11/26/2013	Hodgkin's Lymphoma)	Cephalon, Inc.
3047	cabozantinib	Cometriq	11/29/2010	Treatment of follicular, medullary and anaplastic thyroid carcinoma and metastatic or locally advanced papillary thyroid cancer.	Exelixis, Inc.
3048				Treatment of follicullar, medullary, anaplastic, and metastatic or locally advanced	
	lenvatinib	Lenvima	12/27/2012	papillary thyroid cancer	Eisai, Inc.
3049	ramucirumab	Cyramza	2/16/2012	Treatment of gastric cancer	Eli Lilly and Company
3050	ramucirumab	Cyramza	2/16/2012	Treatment of gastric cancer	Eli Lilly and Company
3051	imatinib mesylate	Gleevec	11/1/2001	Treatment of gastrointestinal stromal tumors	Novartis Pharmaceuticals Corp.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3052					Novartis
				Treatment of gastrointestinal	Pharmaceuticals
	imatinib mesylate	Gleevec	11/1/2001	stromal tumors	Corp.
3053					
					Shire Human Genetics
	velaglucerase-alfa	Vpriv	6/8/2009	Treatment of Gaucher disease	Therapies, Inc.
3054					
			_ / /		Actelion
2077	miglustat	Zavesca	5/29/1998	Treatment of Gaucher disease.	Pharmaceuticals Ltd
3055	T-11:1	elal as essertinates	0/2/2000	To all the state of the state o	DC I
2056	Taliglucerase alfa	Elelyso For Injection	9/3/2009	Treatment of Gaucher's disease	Pfizer, Inc.
3056				Treatment of genetic carnitine	Sigma-Tau
	Levocarnitine	Carnitor	2/20/1004	deficiency.	Pharmaceuticals, Inc.
3057	Levocariitiile	Carriitoi	2/20/1904	deficiency.	Presutti Laboratories,
3037	tinidazole	Tindamax	4/18/2002	Treatment of giardiasis	Inc.
3058	Recombinant human acid	Tilldamax	1, 10, 2002	Treatment of glaraidas	
3333	alpha-glucosidase;			Treatment of glycogen storage	
	alglucosidase alfa	1. Myozyme 2. Lumizyme	8/19/1997	disease type II.	Genzyme Corporation
3059	Recombinant human acid	, , , ,	, ,	71	
	alpha-glucosidase;			Treatment of glycogen storage	
	alglucosidase alfa	1. Myozyme 2. Lumizyme	8/19/1997	disease type II.	Genzyme Corporation
3060	Recombinant human acid				
	alpha-glucosidase;			Treatment of glycogen storage	
	alglucosidase alfa	1. Myozyme 2. Lumizyme	8/19/1997	disease type II.	Genzyme Corporation
3061				Treatment of growth failure in	
				children who were born small for	Pharmacia and
	somatropin [rDNA]	Genotropin	12/27/2000	gestational age.	Upjohn Company
3062					
				Treatment of growth hormone	
	mecasermin rinfabate	Iplex	5/17/2002	insensitivity syndrome (GHIS)	Insmed, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3063					Ipsen
				Treatment of growth hormone	Biopharmaceuticals,
	Mecasermin	Increlex	12/12/1995	insensitivity syndrome.	Inc.
3064				Treatment of growth retardation	
				associated with chronic renal	
	Somatropin for injection	Nutropin	8/4/1989	failure.	Genentech, Inc.
3065					R. W. Johnson
					Pharmaceutical
	Cladribine	Leustatin Injection	11/15/1990	Treatment of hairy cell leukemia.	Research Institute
3066					
	Pentostatin for injection	Nipent	9/10/1987	Treatment of hairy cell leukemia.	SuperGen, Inc.
3067	antihemophilic factor				
	(recombinant), Fc fusion				
	protein	Eloctate	11/23/2010	Treatment of hemophilia A	Biogen Idec Inc.
3068	Coagulation Factor IX				Genetics Institute,
	(recombinant)	Benefix	10/3/1994	Treatment of hemophilia B.	Inc.
3069					
				Treatment of heparin-associated	Hoechst Marion
	Lepirudin	Refluden	2/13/1997	thrombocytopenia type II.	Roussel
3070					
				Treatment of hepatic	Salix Pharmaceuticals,
	rifaximin	Normix	2/10/1998	encephalopathy	Inc.
3071					Bayer
				Treatment of hepatocellular	Pharmaceuticals
	Sorafenib	Nexavar	4/20/2006	carcinoma	Corporation
3072				Treatment of HER2-	
				overexpressing advanced	
				adenocarcinoma of the stomach,	
				including gastroesophageal	
	trastuzumab	Herceptin	10/13/2009	junction	Genentech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3073					
				Treatment of hereditary and	
	methylene blue0.5%	Provayblue	12/18/2012	acquired methemoglobinemia	Provepharm SAS
3074				Treatment of hereditary factor X	Bio Products
	Human factor X	Coagadex	11/8/2007	deficiency	Laboratory
3075				Treatment of hereditary orotic	Wellstat
	uridine triacetate	n/a	8/9/2013	aciduria	Therapeutics, Inc.
3076				Treatment of heroin addicts	
	Levomethadyl acetate			suitable for maintenance on	Biodevelopment
	hydrochloride	Orlaam	1/24/1985	opiate agonists.	Corporation
3077					
				Treatment of high risk Stage II,	Bristol-Myers Squibb
	ipilimumab	Yervoy	6/3/2004	Stage III, and Stage IV melanoma	Company
3078					
				Treatment of high risk Stage II,	Bristol-Myers Squibb
	ipilimumab	Yervoy	6/3/2004	Stage III, and Stage IV melanoma	Company
3079					Bristol-Myers Squibb
	nivolumab	Opdivo	8/7/2014	Treatment of Hodgkin lymphoma	Co.
3080				Treatment of Hodgkin's	
	brentuximab vedotin	Adcetris	1/30/2007	lymphoma	Seattle Genetics, Inc.
3081				Treatment of Hodgkin's	
	brentuximab vedotin	Adcetris	1/30/2007	lymphoma	Seattle Genetics, Inc.
3082					
	Betaine	Cystadane	5/16/1994	Treatment of homocystinuria.	Jazz Pharmaceuticals
3083					
				Treatment of homozygous	
	evolocumab	Repatha	9/12/2013	familial hypercholesterolemia	Amgen Inc.
3084					
				Treatment of homozygous	Aegerion
	lomitapide	Juxtapid	10/23/2007	familial hypercholesterolemia	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3085					
				Treatment of homozygous	Kastle Therapeutics,
	mipomersen	Kynamro	5/23/2006	familial hypercholesterolemia	LLC
3086				Treatment of hormone refractory	
	Mitoxantrone	Novantrone	8/21/1996	prostate cancer.	Serono
3087					
				Treatment of Huntington's	Prestwick
	Tetrabenazine	Xenazine	12/11/1997	disease	Pharmaceuticals, Inc
3088				Treatment of hydatid disease	
				(cystic echinococcosis due to E.	
				granulosus larvae or alveolar	
				echinococcosis due to E.	Amedra
	Albendazole	Albenza	1/17/1996	multilocularis larvae).	Pharmaceuticals LLC
3089				Treatment of hypercalcemia in	
	denosumab	Xgeva	9/11/2013	malignancy	Amgen, Inc.
3090				Treatment of hypercalcemia in	
				patients with parathyroid	
	cinacalcet	Sensipar	5/12/2003	carcinoma	Amgen, Inc.
3091					
				Treatment of hypercalcemia in	
				patients with primary	
				hyperparathyroidism for whom	
				parathyroidectomy would be	
				indicated on the basis of serum	
				calcium levels, but who are	
	cinacalcet	Sensipar	4/30/2010	unable to undergo surgery	Amgen, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3092					
				Treatment of hypercalcemia in	
				patients with primary	
				hyperparathyroidism for whom	
				parathyroidectomy would be	
				indicated on the basis of serum	
				calcium levels, but who are	
	cinacalcet	Sensipar	4/30/2010	unable to undergo surgery	Amgen, Inc.
3093					
				Treatment of hypercalcemia of	
				malignancy inadequately	
				managed by dietary modification	
	Etidronate disodium	Didronel	3/21/1986	and/or oral hydration.	MGI Pharma, Inc.
3094					
				Treatment of	BioMarin
	sapropterin	Kuvan	1/29/2004	hyperphenylalaninemia	Pharmaceutical, Inc.
3095				Treatment of	
				hyperphosphatemia in end stage	Fresenius Medical
2006	Calcium acetate	Phos-Lo	12/22/1988	renal failure.	Care North America
3096				T	Chi - NDC
	and the second because of	Nations	0/24/2007	Treatment of	Shire-NPS
2007	parathyroid hormone	Natpara	8/31/2007	hypoparathyroidism	Pharmaceuticals, Inc.
3097					Alexion
	Asfotase alfa	Ctronsia	0/12/2009	Treatment of hypenhachhatasia	
3098	ASTOCASE ATTA	Strensiq	9/12/2008	Treatment of hypophosphatasia	Pharmaceuticals, Inc.
3098				Treatment of idiopathic	Novartis
				hypereosinophilic syndrome	Pharmaceuticals
	Imatinih mosylata	Glooves		including acute and chronic	
]	Imatinib mesylate	Gleevec	0/25/2005	eosinophilic leukemia	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3099				Treatment of idiopathic or	
				organic growth hormone	
				deficiency in children with	
	Sermorelin acetate	Geref	9/14/1988	growth failure.	EMD Serono, Inc.
3100				Treatment of idiopathic or	
				organic growth hormone	
				deficiency in children with	
	Somatropin (rDNA origin)	Saizen	3/6/1987	growth failure.	EMD Serono, Inc.
3101				Treatment of idiopathic	
	pirfenidone	Esbriet	3/5/2004	pulmonary fibrosis	Genentech
3102					Novartis
				Treatment of idiopathic	Pharmaceuticals
	eltrombopag	Promacta	5/5/2008	thrombocytopenia purpura	Corp.
3103				Treatment of idiopathic	
				thrombocytopenic purpura (also	
	immune globulin intraveous			known as primary immune	Bio Products
	(human)	Gammaplex	4/29/2011	thrombocytopenia)	Laboratory
3104				Treatment of immune	
	romiplostim	Nplate	3/27/2003	thrombocytopenic purpura	Amgen, Inc.
3105					
	Rho (D) immune globulin			Treatment of immune	Rh Pharmaceuticals,
	intravenous (human)	Winrho Sd	11/9/1993	thrombocytopenic purpura.	Inc.
3106				Treatment of inborn errors of	
				cholesterol and bile acid	
	cholic acid	Cholbam	7/18/2003	synthesis and metabolism	Retrophin, Inc.
3107					California
					Department of Health
	Botulism immune globulin	Babybig	1/31/1989	Treatment of infant botulism.	Services
3108					
	repository corticotropin or				Questcor
	adrenocorticotropic hormone	H.P. Acthar Gel	5/21/2003	Treatment of infantile spasms	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3109					
	vigabatrin	Sabril	6/12/2000	Treatment of infantile spasms.	H. Lundbeck A/S
3110					Cangene Corp
	anthrax immune globulin			Treatment of inhalational	Emergent
	(human)	n/a	7/29/2008	anthrax	Biosolutions
3111					
	Pentosan polysulfate sodium	Elmiron	8/7/1985	Treatment of interstitial cystitis.	Alza Corporation
3112					Romark Laboratories,
	nitazoxanide	Alinia	2/14/2002	Treatment of intestinal giardiasis	L.C.
3113					
				Treatment of intractable	
				spasticity caused by spinal cord	
				injury, multiple sclerosis, and	
				other spinal diseases (including	
				spinal ischemia, spinal tumor,	
				transverse myelitis, cervical	
				spondylosis, and degenerative	
	baclofen	Lioresal Intrathecal	11/10/1987	myelopathy).	Medtronic, Inc.
3114					Astellas Pharma
				Treatment of invasive	Global Development
	isavuconazonium sulfate	Cresemba	5/6/2013	aspergillosis	Inc.
3115				Treatment of invasive fungal	Liposome Company,
	Amphotericin B lipid complex	Abelcet	12/5/1991	infections.	Inc.
3116				Treatment of iron overload in	
				patients with hematologic	
				disorders requiring chronic	ApoPharma, Inc. A
	deferiprone	Ferriprox	12/12/2001	transfusion therapy	Division of
3117				Treatment of juvenile	
	adalimumab	Humira	3/21/2005	rheumatoid arthritis	AbbVie Inc.
3118				Treatment of juvenile	
	adalimumab	Humira	3/21/2005	rheumatoid arthritis	AbbVie Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3119					
				Treatment of juvenile	Boehringer Ingelheim
	meloxicam	Mobic	11/22/2002	rheumatoid arthritis	Pharmaceuticals, Inc.
3120	riboflavin ophthalmic solution				
	& ultraviolet A	Photrexa Viscous	9/2/2011	Treatment of keratoconus	Avedro, Inc.
3121	sodium nitrite and sodium			Treatment of known or	Норе
	thiosulfate	Nithiodote	4/9/2008	suspected cyanide poisoning	Pharmaceuticals
3122				Treatment of late stage	
	Levodopa and carbidopa	Duodopa	1/18/2000	Parkinson's disease	AbbVie, Inc.
3123				Treatment of lead poisoning in	Bock Pharmacal
	Succimer	Chemet Capsules	5/9/1984	children.	Company
3124					Knight Therapeutics
	miltefosine	Impavido	10/10/2006	Treatment of leishmaniasis.	(USA)
3125				Treatment of Lennox-Gastaut	
	clobazam	Onfi	12/18/2007	Syndrome	Lundbeck, Inc.
3126				Treatment of Lennox-Gastaut	
	Felbamate	Felbatol	1/24/1989	syndrome.	Wallace Laboratories
3127					Glaxo Wellcome
				Treatment of Lennox-Gastaut	Research and
	Lamotrigine	Lamictal	8/23/1995	syndrome.	Development
3128				Treatment of Lennox-Gastaut	
	rufinamide	Banzel	10/8/2004	Syndrome.	Eisai, Inc.
3129					Johnson & Johnson
				Treatment of Lennox-Gastaut	Pharmaceutical R &
	Topiramate	Topamax	11/25/1992	syndrome.	D, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3130					
				Treatment of lepromatous	
				leprosy, including dapsone-	
				resistant lepromatous leprosy	
				and lepromatous leprosy	Novartis
				complicated by erythema	Pharmaceutical
	Clofazimine	Lamprene	6/11/1984	nodosum leprosum.	Corporation
3131				Treatment of	
	sirolimus	Rapamune	10/31/2012	lymphangioleiomyomatosis	Pfizer, Inc.
3132				Treatment of lysosomal acid	Alexion
	sebelipase alfa	Kanuma	7/1/2010	lipase deficiency	Pharmaceuticals
3133					AR Holding Company,
	quinine Sulfate	n/a	6/3/2004	Treatment of malaria	Inc.
3134				Treatment of malignancy-	
				associated or chemotherapy-	Sanofi-Synthelabo
	rasburicase	Elitek	10/11/2000	induced hyperuricemia.	Research
3135					
	bevacizumab	Avastin	5/26/2006	Treatment of malignant glioma	Genentech, Inc.
3136					
	polifeprosan 20 with				Guilford
	carmustine	Gliadel	12/13/1989	Treatment of malignant glioma.	Pharmaceuticals, Inc.
3137					
	polifeprosan 20 with				Guilford
	carmustine	Gliadel	12/13/1989	Treatment of malignant glioma.	Pharmaceuticals, Inc.
3138					
	dantrolene sodium suspension			Treatment of malignant	Eagle
	for injection	Ryanodex	8/16/2013	hyperthermia syndrome	Pharmaceuticals, Inc.
3139					
				Treatment of malignant	Schering-Plough
	peginterferon alfa-2b	Sylatron	4/9/2008	melanoma stages IIb through IV.	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3140					
					Bristol-Myers Squibb
				Treatment of malignant pleural	Pharmaceutical
	Bleomycin sulfate	Blenoxane	9/17/1993	effusion.	Research Institute
3141		Sclerosol Intrapleural		Treatment of malignant pleural	
	Sterile talc powder	Aerosol	9/18/1995	effusion.	Bryan Corporation
3142				Treatment of malignant pleural	
	pemetrexed disodium	Alimta	8/28/2001	mesothelioma	Eli Lilly and Company
3143				Treatment of manifestations of	
				carnitine deficiency in patients	
				with end stage renal disease who	Sigma-Tau
	Levocarnitine	Carnitor	9/6/1988	require dialysis.	Pharmaceuticals, Inc.
3144				Treatment of mantle cell	
	ibrutinib	Imbruvica	12/3/2012	lymphoma	Pharmacyclics, LLC
3145				Treatment of mantle cell	
	lenalidomide	Revlimid	4/27/2009	lymphoma	Celgene Corporation
3146					
				Treatment of mantle cell	Millennium
	bortezomib	Velcade	5/30/2012	lymphoma.	Pharmaceuticals, Inc.
3147					
				Treatment of mantle cell	Millennium
	bortezomib	Velcade	5/30/2012	lymphoma.	Pharmaceuticals, Inc.
3148	Cromolyn sodium	Gastrocrom	3/8/1984	Treatment of mastocytosis.	Fisons Corporation
3149				Treatment of medullary thyroid	
				cancer, anaplastic thyroid cancer,	
				and recurrent or metastatic	
				follicular or papillary thyroid	Bayer HealthCare
	sorafenib	Nexavar	12/12/2011	cancer	Pharmaceuticals, Inc.
3150					
				Treatment of metabolic disorders	Aegerion
	metreleptin	Myalept	8/22/2001	secondary to lipodystrophy	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3151				Treatment of metastatic	
	Aldesleukin	Proleukin	9/10/1996	melanoma.	Chiron Corporation
3152				Treatment of metastatic renal	
	Aldesleukin	Proleukin	9/14/1988	cell carcinoma.	Chiron Corporation
3153				Treatment of methanol or	
	Fomepizole	Antizole	12/22/1988	ethylene glycol poisoning.	Jazz Pharmaceuticals
3154				Treatment of methanol or	
	Fomepizole	Antizole	12/22/1988	ethylene glycol poisoning.	Jazz Pharmaceuticals
3155					
				Treatment of mild hemophilia A	
	Desmopressin acetate	n/a	1/22/1991	and von Willebrand's disease.	Aventis Behring L.L.C.
3156				Treatment of mild to moderate	
				acute malaria caused by	
				susceptible strains of P.	SmithKline Beecham
	Halofantrine	Halfan	11/4/1991	falciparum and P. vivax.	Pharmaceuticals
3157				Treatment of moderate to severe	
				hidradenitis suppurativa (Hurley	
				stage 2 and Hurley stage 3	
	adalimumab	Humira	5/13/2015	disease)	AbbVie, Inc.
3158					
				Treatment of	
	N-acetylgalactosamine-4-			mucopolysaccharidosis Type VI	BioMarin
	sulfatase, recombinant human	Naglazyme	2/17/1999	(Maroteaux-Lamy syndrome).	Pharmaceutical, Inc.
3159	immune globulin infusion			Treatment of multifocal motor	
	(human)	Gammagard Liquid	7/20/2006	neuropathy	Baxalta US, Inc.
3160					
					Millennium
	bortezomib	Velcade	1/15/2003	Treatment of multiple myeloma	Pharmaceuticals, Inc.
3161					
					Millennium
	bortezomib	Velcade	1/15/2003	Treatment of multiple myeloma	Pharmaceuticals, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3162					
	bortezomib	Velcade	1/15/2002	Treatment of multiple myeloma	Millennium Pharmaceuticals, Inc.
3163	bortezonnib	Velcade	1/15/2003	Treatment of maltiple myeloma	Onyx Therapeutics,
	carfilzomib	Kyprolis	1/18/2008	Treatment of multiple myeloma	Inc.
3164					Johnson & Johnson
	doxorubicin HCL liposome				Pharmaceutical
21.65	injection	Doxil	12/29/2004	Treatment of multiple myeloma	Research & Dev. Millennium
3165	ixazomib citrate	Ninlaro	2/18/2011	Treatment of multiple myeloma	Pharmaceuticals
3166	ixazornio cicrate	Williaro	2/10/2011	Treatment of mattiple mycloma	Thatmaccuticals
	lenalidomide	Revlimid	9/20/2001	Treatment of multiple myeloma	Celgene Corporation
3167					
	lenalidomide	Revlimid	9/20/2001	Treatment of multiple myeloma	Celgene Corporation
3168					Novartis
	panobinostat	Farydak	8/20/2012	Treatment of multiple myeloma	Pharmaceuticals Corporation
3169	pariobiliostat	Taryuak	8/20/2012	Treatment of multiple myeloma	Corporation
	pomalidomide	Pomalyst	1/15/2003	Treatment of multiple myeloma	Celgene Corporation
3170					
	Thalidomide	Thalomid	10/14/1998	Treatment of multiple myeloma	Celgene Corporation
3171					
	ldaratumumab	Darzalex	5/6/2012	Treatment of multiple myeloma.	Janssen Research & Development, LLC
3172	uaratumumab	Darzalex	3/0/2013	Treatment of multiple myeloma.	Development, LLC
0272					Teva Pharmaceuticals
	Glatiramer acetate	Copaxone	11/9/1987	Treatment of multiple sclerosis.	USA
3173					
2474	Interferon beta-1a	Avonex	12/16/1991	Treatment of multiple sclerosis.	Biogen, Inc.
3174					Chiron Corp. & Berlex
	Interferon beta-1b	Betaseron	11/17/1988	Treatment of multiple sclerosis.	Laboratories

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3175					
					Actelion
	meclorethamine	Valchlor	8/17/2004	Treatment of mycosis fungoides	Pharmaceuticals Ltd.
3176				Treatment of myelodysplastic	
	lenalidomide	Revlimid	1/29/2004	syndromes	Celgene Corporation
3177					Otsuka
			- 1- 1	Treatment of myelodysplastic	Pharmaceutical
	decitabine	Dacogen	• •	syndromes.	Development
3178	ruxolitinib phosphate	Jakafi	9/5/2008	Treatment of myelofibrosis	Incyte Corporation
3179				Treatment of myeloproliferative disorders/myelodysplastic syndromes associated with platelet-derived growth factor	Novartis Pharmaceuticals
	Imatinib mesylate	Gleevec	10/5/2005	gene re-arrangements	Corporation
3180		0.00100	20,0,2000	general arrangements	60. por acron
	Liothyronine sodium injection	Triostat	7/30/1990	Treatment of myxedema coma/precoma.	SmithKline Beecham Pharmaceuticals
3181					
	carglumic acid	Carbaglu	1/20/1998	Treatment of N-acetylglutamate synthetase deficiency.	Orphan Europe SARL
3182					
	oxybate	Xyrem	11/7/1994	Treatment of narcolepsy.	Jazz Pharmaceuticals
3183	oxybate	Xyrem	11/7/1994	Treatment of narcolepsy.	Jazz Pharmaceuticals
3184					
		Survanta Intratracheal		Treatment of neonatal	
	Beractant	Suspension	2/5/1986	respiratory distress syndrome	Ross Laboratories
3185					
		Survanta Intratracheal	- 1- 1	Treatment of neonatal	
	Beractant	Suspension	2/5/1986	respiratory distress syndrome	Ross Laboratories

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3186					
				Treatment of neoplastic	Pacira
	Cytarabine liposomal	Depocyt		meningitis.	Pharmaceuticals, Inc.
3187				Treatment of nephropathic	Mylan Laboratories,
	Cysteamine	Cystagon	1/25/1991	cystinosis.	Inc.
3188					
				_	United Therapeutics
	dinutuximab	Unituxin	12/20/2010	Treatment of neuroblastoma	Corporation
3189					
				Treatment of neurocysticercosis	
				due to Taenia solium as: 1)	
				chemotherapy of parenchymal,	
				subarachnoidal and racemose	
				(cysts in spinal fluid)	
				neurocysticercosis in	
				symptomatic cases and 2)	
				prophylaxis of epilepsy and other	
				sequelae in asymptomatic	Amedra
	Albendazole	Albenza	1/18/1996	neurocysticercosis.	Pharmaceuticals LLC
3190					Novartis
				Treatment of neuroendocrine	Pharmaceuticals
	everolimus	Afinitor	2/14/2008	tumors	Corporation
3191					Novartis
				Treatment of neuroendocrine	Pharmaceuticals
	everolimus	Afinitor	2/14/2008	tumors	Corporation
3192					Ipsen
				Treatment of neuroendocrine	Biopharmaceuticals,
	lanreotide acetate	Somatuline Depot	8/25/2011	tumors	Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3193				Treatment of neurogenic	
				symptomatic orthostatic	
				hypotension in patients with	
				primary autonomic failure,	
				dopamine-beta-hydroxylase	
				deficiency, and nondiabetic	
	droxidopa	Northera	1/17/2007	autonomic neuropathy.	Lundbeck LLC
3194					
				Treatment of neutropenia	
				associated with bone marrow	
				transplant, for the treatment of	
				graft failure and delay of	
				engraftment, and for the	
	Sargramostim	Leukine	5/3/1990	promotion of early engraftment.	Immunex Corporation
3195				Treatment of neutropenia	
				associated with bone marrow	
	Filgrastim	Neupogen	10/1/1990	·	Amgen, Inc.
3196				Treatment of non-Hodgkin T-cell	
	romidepsin	Istodax	9/30/2004	lymphomas	Celgene Corporation
3197				Treatment of non-Hodgkin T-cell	
	romidepsin	Istodax	9/30/2004	lymphomas	Celgene Corporation
3198				Treatment of non-Hodgkin's B-	
	rituximab	Rituxan	6/13/1994	cell lymphoma	Genentech, Inc.
3199	Tositumomab and iodine I 131			Treatment of non-Hodgkin's B-	
	tositumomab	Bexxar	5/16/1994	cell lymphoma.	GlaxoSmithKline LLC
3200				Treatment of non-infectious	
				intermediate, posterior, or pan-	
				uveitis, or chronic non-infectious	
	adalimumab	Humira	5/13/2014	anterior uveitis	AbbVie, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3201				Treatment of non-infectious	
				ocular inflammation of the	
				posterior segment in patients	
	dexamethasone intravitreal			with intermediate, posterior, and	
	implant	Ozurdex	9/11/1998	panuveitis	Allergan
3202					
				Treatment of non-small cell lung	Boehringer Ingelheim
	afatinib	Gilotrif(R)	8/3/2015	cancer with squamous histology.	Pharmaceuticals, Inc.
3203					
	buprenorphine in combination			Treatment of opiate addiction in	Reckitt Benckiser
	with naloxone	Suboxone	10/27/1994	opiate users	Pharmaceuticals, Inc.
3204					5 134 5 13
			6/45/4004	Treatment of opiate addiction in	Reckitt Benckiser
	Buprenorphine hydrochloride	Subutex	6/15/1994	opiate users.	Pharmaceuticals, Inc.
3205	Methotrexate sodium	Methotrexate	10/21/1005	Treatment of osteogenic	Lederle Laboratories
3206	Methotrexate sodium	Methotrexate	10/21/1985	Sarcoma.	AstraZeneca
	olaparib	Lynparza	10/16/2012	Treatment of ovarian cancer	Pharmaceuticals LP
3207	Doxorubicin liposome	Doxil		Treatment of ovarian cancer.	Alza Corporation
3208	Doxor abiem riposome	DONII	11/4/1550	Treatment of ovarian cancer.	Alza corporation
3200					Merrimack
	liposomal irinotecan	n/a	7/21/2011	Treatment of pancreatic cancer	Pharmaceuticals, Inc.
3209	paclitaxel protein-bound	. <i>1 -</i> -	.,21,2311	The second of participation of the second of	Abraxis BioScience,
	particles	Abraxane	9/3/2009	Treatment of pancreatic cancer.	LLC
3210			, ,		
				Treatment of paroxysmal	Alexion
	eculizumab	Soliris	8/20/2003	nocturnal hemoglobinuria	Pharmaceuticals, Inc.
3211				Treatment of patent ductus	
	Ibuprofen lysine	Neoprofen	10/29/1996	arteriosus	Lundbeck, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3212				Treatment of pathologic (chronic	
				moderate to severe) drooling in	
	glycopyrrolate	Cuvposa	6/9/2006	pediatric patients	Shionogi, Inc.
3213				Treatment of patients at risk of	
	glucarpidase	Voraxaze	8/19/2003	methotrexate toxicity	BTG International Inc.
3214					
				Treatment of patients needing	
				urgent reversal of Vitamin K	
				antagonist therapy for treatment	
	prothrombin complex			of major bleeding and/or surgical	
	concentrate (human)	Kcentra	12/27/2012	procedures	CSL Behring
3215					
				Treatment of patients needing	
				urgent reversal of Vitamin K	
				antagonist therapy for treatment	
	prothrombin complex			of major bleeding and/or surgical	
	concentrate (human)	Kcentra	12/27/2012	procedures	CSL Behring
3216				Treatment of patients with	
	Daunorubicin citrate liposome			advanced HIV-associated Kaposi's	NeXstar
	injection	Daunoxome	5/14/1993	sarcoma.	Pharmaceuticals, Inc.
3217					
				Treatment of patients with	
				anorexia, cachexia, or significant	
				weight loss (=/>10% of baseline	Bristol-Myers Squibb
				body weight) and confirmed	Pharmaceutical
	Megestrol acetate	Megace	4/13/1988	diagnosis of AIDS.	Research Institute

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3218					
				Treatment of patients with anti-	
				neutrophil cytoplasmic antibody-	
				associated vasculitis (Wegener's	
				Granulomatosis, Microscopic	
	an touch	D'I	2/44/2006	Polyangiitis, and Churg-Strauss	
2240	rituximab	Rituxan	2/14/2006	Syndrome)	Genentech, Inc.
3219	racambinant fusion protain			Treatment of nationts with	
	recombinant fusion protein			Treatment of patients with	
	linking coagulation factor IX	Idalvian	4/27/2012	congenital factor IX deficiency	CCI Dahmina II C
3220	with albumin (rIX-FP)	Idelvion	4/2//2012	(hemophilia B). Treatment of patients with	CSL Behring, LLC
3220	denileukin diftitox	Ontak	9/21/1006	cutaneous T-cell lymphoma	Eisai, Inc.
3221	definedkiii diftitox	Officak	8/21/1990	cutarieous 1-ceil lymphoma	Eisai, IIIC.
3221				Treatment of patients with cystic	Vertey
	ivacaftor	Kalydeco	12/20/2006	•	Pharmaceuticals, Inc.
3222				Treatment of patients with	
				esophageal varices that have	
				recently bled, to prevent	
	Ethanolamine oleate	Ethamolin	3/22/1984	rebleeding.	QOL Medical
3223				Treatment of patients with	
				follicular thyroid carcinoma,	
				medullary thyroid carcinoma,	
				anaplastic thyroid carcinoma,	
				and locally advanced and	
				metastatic papillary thyroid	
	vandetanib	Caprelsa(R)	10/21/2005		Genzyme Corporation
3224				Treatment of patients with giant	
	denosumab	Xgeva	12/20/2010	cell tumor of bone	Amgen, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3225					
				Treatment of patients with	Boehringer Ingelheim
2226	nintedanib	Ofev	6/29/2011	idiopathic pulmonary fibrosis.	Pharmaceuticals, Inc.
3226				Treatment of patients with IIb to	
				Stage IV melanoma positive for	Hoffmann-La Roche,
	vemurafenib	Zelboraf	12/20/2010	the BRAF(v600) mutation	Inc.
3227	verilurareriib	Zeiborai	12/20/2010	the Brar(vooo) mutation	IIIC.
3227				Treatment of patients with	
				known or suspected internal	
				•	Hameln
	Diethylenetriaminepentaacetic			americium, or curium to increase	Pharmaceuticals
		n/a	4/28/2004	the rates of elimination.	gmbh
3228					
				Treatment of patients with	
				known or suspected internal	Heyl Chemisch-
				contamination with radioactive	Pharmzeutische
				or non-radioactive cesium or	Fabrik GMBH & Co,
	iron(III)-hexacyanoferrate(II)	Radiogardase	5/1/2003	thallium	KG
3229					
				Treatment of patients with	BioMarin
	laronidase	Aldurazyme	9/24/1997	mucopolysaccharidosis-I.	Pharmaceutical, Inc.
3230				Treatment of patients with	
	Malabalaa	Alkoron For Injection	2/24/4002	multiple myeloma for whom oral	Clave Wellcames Inc
3231	Melphalan	Alkeran For Injection	2/24/1992	therapy is inappropriate.	Glaxo Wellcome Inc.
3231				Treatment of patients with non-	
				small cell lung cancer (NSCLC)	Novartis
				that is anaplastic lymphoma	Pharmaceuticals
	ceritinib	Zykadia		kinase(ALK)-positive	Corp.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3232				Treatment of patients with	Aptalis Pharma US,
	Ursodiol	Urso 250	6/20/1991	primary biliary cirrhosis	Inc.
3233				Treatment of patients with	
				severe chronic neutropenia	
				(absolute neutrophil count less	
	Filgrastim	Neupogen	11/7/1990	than 500/mm3).	Amgen, Inc.
3234					
				·	Bristol-Myers Squibb
				cell anemia as shown by the	Pharmaceutical
	Hydroxyurea	Droxia	10/1/1990	presence of hemoglobin S.	Research Institute
3235				Treatment of patients with	
				symptomatic orthostatic	
	Midodrine HCl	Amatine	6/21/1985	hypotension.	Shire
3236					
	Antihemophilic factor/von				
	Willebrand factor complex			Treatment of patients with von	
	(human), dried, pasteurized	Humate-P	10/16/1992	Willebrand's disease	CSL Behring
3237				Treatment of patients with	
				Wilson's disease who are	
				intolerant, or inadequately	Merck Sharp &
	Trientine HCl	Syprine	12/24/1984	responsive to penicillamine.	Dohme Research
3238					
				Treatment of pediatric (0 to 16	
	Infliximab	Remicade	11/12/2003	years of age) Crohn's Disease	Centocor, Inc.
3239					
				Treatment of pediatric (0 to 16	
	infliximab	Remicade	11/12/2003	years of age) ulcerative colitis	Janssen Biotech Inc.
3240				Treatment of pediatric (age 16	Novartis
				and under) juvenile rheumatoid	Pharmaceuticals
	canakinumab	Ilaris	9/30/2008		Corporation
3241				Treatment of pediatric Crohn's	
	adalimumab	Humira	10/19/2006	disease.	AbbVie, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3242				Treatment of pediatric HIV	
	tenofovir	Viread	3/17/2009	infection.	Gilead Sciences, Inc.
3243	tocilizumab	Actemra	7/31/2012	Treatment of pediatric patients (age 16 years and younger) with polyarticular-course juvenile idiopathic arthritis	Genentech, Inc.
3244					
	Balsalazide disodium	Colazal	8/12/2005	Treatment of pediatric patients with ulcerative colitis	Salix Pharmaceuticals, Inc.
3245					
	Belinostat	Beleodag	9/3/2009	Treatment of peripheral T-cell lymphoma (PTCL).	Spectrum Pharmaceuticals, Inc.
3246	Demiostat	beleddad	3/3/2003	Treatment of persistent	i narmaccaticais, inc.
32 10				pulmonary hypertension in the	
	Nitric oxide	Inomax	6/22/1993	1	INO Therapeutics, Inc.
3247					
	collagenase clostridium				Auxilium
	histolyticum	Xiaflex	3/12/1996	Treatment of Peyronie's disease.	Pharmaceuticals, Inc.
3248					
				Treatment of Philadelphia	
				chromosome-positive acute	ARIAD
	ponatinib	Iclusig	11/20/2009	lymphoblastic leukemia (Ph+ALL)	Pharmaceuticals Inc.
3249				Treatment of Philadelphia-	
			44/40/2005	positive acute lymphoblastic	Bristol-Myers Squibb
2250	Dasatinib	Sprycel	11/18/2005		Company
3250				Treatment of Philadelphia- positive acute lymphoblastic	Novartis Pharmaceuticals
	imatinib	Gleevec	10/11/2005	i	Corporation
3251	inacinib	Oicevec	10/11/2003	Treatment of Philadelphia-	Novartis
3231				positive acute lymphoblastic	Pharmaceuticals
	imatinib	Gleevec	10/11/2005	' '	Corporation

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3252				Treatment of Pneumocystis	
				carinii pneumonia in AIDS	Medimmune
	Trimetrexate glucuronate	Neutrexin	5/15/1986	patients.	Oncology, Inc.
3253				Treatment of Pneumocystis	
	Pentamidine isethionate	Pentam 300	2/28/1984	carinii pneumonia.	Fujisawa USA, Inc.
3254					
	ruxolitinib	Jakafi	3/26/2010	Treatment of polycythemia vera	Incyte Corporation
3255					
				Treatment of postherpetic	Arbor
	gabapentin enacarbil	Horizant	6/7/2011	neuralgia	Pharmaceuticals, LLC
3256					
				Treatment of potentially life	
				threatening digitalis intoxication	
				in patients who are refractory to	
				management by conventional	
	Digoxin immune FAB (Ovine)	Digibind	11/1/1984	. ,	Glaxo Wellcome Inc.
3257				Treatment of primary and	
				,	Sigma-Tau
	Levocarnitine	Carnitor	7/26/1984	genetic origin.	Pharmaceuticals, Inc.
3258					
				Treatment of primary biliary	Intercept
	obeticholic acid	Ocaliva	4/9/2008		Pharmaceuticals, Inc.
3259				Treatment of primary periodic	
	dichlorphenamide	n/a	9/2/2010		Taro Pharmaceuticals
3260				Treatment of primary peritoneal	
	bevacizumab	Avastin	11/2/2010	carcinoma.	Genentech, Inc.
3261				Treatment of primary pulmonary	
	Epoprostenol	Flolan	9/25/1985	hypertension.	Glaxo Wellcome Inc.
3262				Treatment of progressive-	
	Mitoxantrone	Novantrone	8/13/1999	relapsing multiple sclerosis.	Serono, Inc.

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3263				Treatment of proliferating	
				infantile hemangiomas requiring	Pierre Fabre
	propranolol	Hemangeol	9/5/2008	systemic therapy	Dermatologie
3264				Treatment of pulmonary arterial	
	ambrisentan	Letairis	7/16/2004	hypertension	Gilead Colorado
3265				Treatment of pulmonary arterial	
	Iloprost inhalation solution	Ventavis	8/17/2004	hypertension	CoTherix, Inc.
3266					
				Treatment of pulmonary arterial	Actelion
	macitentan	Opsumit	9/3/2009	hypertension	Pharmaceuticals Ltd
3267				Treatment of pulmonary arterial	
	selexipag	Uptravi	4/30/2010	hypertension	Actelion Ltd
3268				Treatment of pulmonary arterial	
	tadalafil	Adcirca	12/18/2006	hypertension	Eli Lilly and Company
3269				Treatment of pulmonary arterial	
	treprostinil (inhalational)	Tyvaso	6/17/2010	hypertension	LungRx, Inc.
3270				Treatment of pulmonary arterial	Actelion Life Sciences
	Bosentan	Tracleer	10/6/2000	hypertension.	Ltd.
3271					
				Treatment of pulmonary arterial	Bayer HealthCare
	riociguat	Adempas	9/19/2013	hypertension.	Pharmaceuticals, Inc.
3272				Treatment of pulmonary arterial	United Therapeutics
	treprostinil	Remodulin	6/4/1997	hypertension.	Corp.
3273				Treatment of pulmonary	Hoechst Marion
	Rifapentine	Priftin	6/9/1995	tuberculosis.	Roussel
3274				Treatment of recurrent	Schering-Plough
	temozolomide	Temodar	10/5/1998	malignant glioma.	Research Institute
3275				Treatment of recurrent	Schering-Plough
	temozolomide	Temodar	10/5/1998	malignant glioma.	Research Institute

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3276					
				Treatment of refractory	Bristol-Myers Squibb
				childhood acute lymphocytic	Pharmaceutical
	Teniposide	Vumon For Injection	11/1/1984	leukemia.	Research Institute
3277				Treatment of refractory	
				glaucoma as an adjunct to ab	Mobius Therapeutics,
	mitomycin-C	Mitosol	1/8/2008	externo glaucoma surgery.	LLC
3278	Citric acid, glucono-delta-			Treatment of renal and bladder	
	lactone and magnesium			calculi of the apatite or struvite	
	carbonate	Renacidin Irrigation	8/28/1989	variety.	United-Guardian, Inc.
3279				Treatment of renal cell	
	bevacizumab	Avastin	11/6/2003	carcinoma	Genentech, Inc.
3280					
				Treatment of renal cell	Wyeth
	Temsirolimus	Torisel	12/16/2004	carcinoma	Pharmaceuticals, Inc.
3281					
				Treatment of renal cell	Bayer Pharmaceutical
	Sorafenib	Nexavar	10/8/2004	carcinoma.	Corporation
3282				Treatment of scorpion	
				envenomations requiring medical	Rare Disease
	Centruroides immune F(ab)2	Anascorp	6/12/2000		Therapeutics, Inc.
3283				Treatment of secondary	
				pulmonary hypertension due to	
				intrinsic precapillary pulmonary	
	epoprostenol	Flolan	3/22/1999	vascular disease.	GlaxoSmithKline
3284					
				Treatment of secondary-	
	Mitoxantrone	Novantrone	8/13/1999	progressive multiple sclerosis.	Serono, Inc.
3285				Treatment of severe	
	Vaccinia Immune Globulin				DynPort Vaccine
	(Human) Intravenous	n/a	6/18/2004	vaccine	Company LLC

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3286				Treatment of severe diarrhea	Novartis
				and flushing associated with	Pharmaceuticals
	Octreotide	Sandostatin Lar	8/24/1998	malignant carcinoid tumors.	Corporation
3287					
				Treatment of short bowel	NPS Pharmaceuticals,
	teduglutide [rDNA origin]	Gattex	6/29/2000	syndrome.	Inc.
3288				Treatment of short stature	
				associated with Turner	
	Somatropin	Humatrope	5/8/1990	syndrome.	Eli Lilly and Company
3289				Treatment of short stature	
				associated with Turner's	
	Somatropin for injection	Nutropin	3/23/1989	syndrome.	Genentech, Inc.
3290					
				Treatment of short stature in	
	Somatropin	Norditropin	8/9/2006	patients with Noonan syndrome	Novo Nordisk Inc.
3291				Treatment of short stature in	
				patients with Prader-Willi	
	Somatropin [rDNA]	Genotropin	7/6/1999	syndrome.	Pharmacia & Upjohn
3292					
				Treatment of short stature in	
				pediatric patients with short	
				stature homeobox-containing	
	Somatropin	Humatrope	12/15/2005	gene (SHOX) deficiency	Eli Lilly and Company
3293				Treatment of small lymphocytic	
	ibrutinib	Imbruvica	5/30/2013	lymphoma	Pharmacyclics, LLC
3294					
	eribulin mesylate	Halaven	5/14/2012	Treatment of soft tissue sarcoma	Eisai Inc.
3295					
					Janssen Research &
	trabectedin	Yondelis	9/30/2004	Treatment of soft tissue sarcoma	Development, LLC

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3296					
				Treatment of soft tissue	Novartis
	pazopanib	Votrient	10/20/2009	sarcomas	Pharmaceuticals Corp
3297					
				Treatment of squamous cell	
				cancer of the head and neck in	
	and the b	E.L.Y	7/2/2000	· · · · · · · · · · · · · · · · · · ·	ImClone Systems
2200	cetuximab	Erbitux	//3/2000	growth factor receptor	Incorporated
3298		/a	11/20/2015	Treatment of squamous non-	
2200	necitumumab	n/a	11/20/2015	small cell lung cancer	Eli Lilly and Company
3299				Treatment of Stage UD through IV	Marak Charp 9
	pembrolizumab	Keytruda	11/10/2012	Treatment of Stage IIB through IV malignant melanoma	Dohme Corp.
3300	periibi olizurilab	Reytituda	11/19/2012	Intalignant melanoma	Donnie Corp.
3300				Treatment of Stage IIB through IV	Merck Sharn &
	pembrolizumab	Keytruda	11/19/2012	malignant melanoma	Dohme Corp.
3301	permerental	Reytrada	11, 13, 2012	manghant melanama	Novartis
0001				Treatment of Stage IIb through IV	
	trametinib and dabrafenib	Mekinist And Tafinlar	9/20/2012	melanoma.	Corp.
3302			, ,		Novartis
				Treatment of Stage IIb through IV	Pharmaceuticals
	trametinib and dabrafenib	Mekinist And Tafinlar	9/20/2012	melanoma.	Corp.
3303					Novartis
				Treatment of Stage IIb through	Pharmaceuticals
	trametinib	Mekinist	12/20/2010	Stage IV melanoma	Corp.
3304				Treatment of Stage IIb to IV	Bristol-Myers Squibb
	nivolumab	n/a	1/23/2013	melanoma	Co.
3305	Combination of nivolumab and			Treatment of Stage IIb to Stage	Bristol-Myers Squibb
	ipilimumab	n/a	10/9/2014	IV melanoma	Company
3306				Treatment of stage IIb, IIc, III, and	
				IV melanoma with BRAFV600	
	cobimetinib	n/a	1/31/2014	mutation	Genentech, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3307					
				Treatment of stage IIb-stage IV	BioVex, Inc.
	talimogene laherparepvec	Imlygic	3/14/2011		(subsidiary of Amgen)
3308				Treatment of strabismus and	
	Botulinum toxin type A	Botox		blepharospasms	Allergan, Inc.
3309		_		Treatment of strabismus and	
2212	Botulinum toxin type A	Botox	3/22/1984	blepharospasms	Allergan, Inc.
3310					
		NI wall a		Treatment of subarachnoid	Arbor
2244	nimodipine	Nymalize	9/16/2011	hemorrhage.	Pharmaceuticals, Inc.
3311				Together substitute at a sight of	
				Treatment of subjects at risk of	
				developing myelosuppression	
	filamatina	Namasan		after a radiological or nuclear	Amazan Ina
3312	filgrastim	Neupogen	11/20/2013	incident	Amgen, Inc.
3312				Treatment of subjects at risk of	
				developing myelosuppression	
				after a radiological or nuclear	
	Pegfilgrastim	Neulasta	11/20/2013	_	Amgen, Inc.
3313	r cgriigi astirii	recalasta	11/20/2013	Treatment of symptomatic	Novartis
3313				Paget's disease (osteitis	Pharmaceutical
	Calcitonin-human for injection	Cibacalcin		deformans).	Corporation
3314			2/20/2007	Treatment of systemic	Novartis
				mastocytosis without the D816V	Pharmaceuticals
	Imatinib mesylate	Gleevec		c-kit mutation	Corporation
3315	,		, .		Allos Therapeutics,
	pralatrexate	Folotyn	7/20/2006	Treatment of T-cell lymphoma	Inc.
3316				Treatment of T-cell non-	
	vorinostat	Zolinza	3/16/2004	Hodgkin's lymphoma	Merck & Co., Inc.

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3317					
					Bristol-Myers Squibb
					Pharmaceutical
	Ifosfamide	Ifex	1/20/1987	Treatment of testicular cancer.	Research Institute
3318					
				Treatment of the clinical	
				manifestations of endogenous	Corcept Therapeutics,
	mifepristone	Korlym	7/5/2007	Cushing's syndrone	Inc.
3319					
				Treatment of the on-off	
				fluctuations associated with late-	
	Apomorphine HCl	Apokyn	4/22/1993	stage Parkinson's disease.	US WorldMeds, LLC
3320					
				Treatment of those patients	
		Extraneal (With 7.5%		having end stage renal disease	
	Electrolytes Peritoneal Dialysis	<u> </u>		and requiring peritoneal dialysis	Baxter Healthcare
	Solution	Dialysis Solutio	7/18/1997	treatment.	Corporation
3321					Otsuka
				Treatment of Tourette's	Pharmaceutical
	aripiprazole	Abilify	1/25/2006	•	Development
3322				Treatment of Trypanosoma	
				brucei gambiense infection	Hoechst Marion
	Eflornithine HCl	Ornidyl	4/23/1986	(sleeping sickness).	Roussel
3323					Jacobus
				Treatment of tuberculosis	Pharmaceutical
	Aminosalicylic acid	Paser Granules	2/19/1992	infections	Company

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3324				Treatment of tuberous sclerosis complex including TSC-associated subependymal giant cell astrocytoma (SEGA), TSC-associated angiomyolipoma and TSC-associated lymphangioleiomyomatosis	Novartis Pharmaceuticals
	everolimus	Afinitor	6/8/2009	1	Corporation
3325	everolimus	Afinitor	6/8/2009	Treatment of tuberous sclerosis complex including TSC-associated subependymal giant cell astrocytoma (SEGA), TSC-associated angiomyolipoma and TSC-associated lymphangioleiomyomatosis (LAM)	Novartis Pharmaceuticals Corporation
3326	Zoledronate	Zometa, Zabel	8/18/2000	Treatment of tumor induced hypercalcemia.	Novartis Pharmaceuticals Corp.
3327	eliglustat	Cerdelga	9/17/2008	Treatment of Type I Gaucher disease	Genzyme Corporation
3328	Nitisinone	Orfadin	5/16/1995	Treatment of tyrosinemia type 1.	Swedish Orphan Biovitrum AB
3329	Nitisinone	Orfadin	5/16/1995	Treatment of tyrosinemia type 1.	Swedish Orphan Biovitrum AB

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3330					
				Treatment of urea cycle disorders: carbamylphosphate	
				synthetase deficiency, ornithine	
				transcarbamylase deficiency, and	
				arginiosuccinic acid synthetase	Medicis
	sodium phenylbutyrate	Buphenyl	11/22/1993	,	Pharmaceutical Corp.
3331	Cromolyn sodium 4%	Opticrom 4% Ophthalmic		Treatment of vernal	
	ophthalmic solution	Solution	7/24/1985	keratoconjunctivitis.	Fisons Corporation
3332		Alomide Ophthalmic		Treatment of vernal	Alcon Laboratories,
	Lodoxamide tromethamine	Solution	10/16/1991	keratoconjunctivitis.	Inc.
3333				Treatment of visceral	
	Liposomal amphotericin B	Ambisome	12/6/1996	leishmaniasis.	Fujisawa USA, Inc.
3334				Transfer at after NACH about d	
				Treatment of von Willebrand disease except for surgical	
				and/or invasive procedures in	
				patients with von Willebrand	
	Human plasma coagulation			disease in whom desmopressin is	
	Factor VIII and human plasma			either ineffective or	
	von Willebrand Factor	Wilate	4/18/2007	contraindicated	Octapharma USA, Inc.
3335	recombinant von Willebrand			Treatment of von Willebrand	
	factor (rhVWF)	n/a	11/23/2010		Baxalta US, Inc.
3336				Treatment of von Willebrand's	
	Antihemophilic factor (human)	Alphanate	1/5/1996		Grifols Biologicals Inc.
3337				Treatment of Waldenstrom's	
	ibrutinib	Imbruvica	10/15/2013	macroglobulinemia	Pharmacyclics, LLC

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3338					
				Treatment of well-differentiated	
				papillary, follicular or combined	
				papillary/follicular carcinomas of	
	Thyrotropin alfa	Thyrogen	8/3/2001	the thyroid	Genzyme Corporation
3339					
	Zinc acetate	Galzin	11/6/1985	Treatment of Wilson's disease.	Lemmon Company
3340				Treatment of xerostomia and	
				keratoconjunctivitis sicca in	
	Pilocarpine HCl	Salagen	2/28/1992	Sjogren's syndrome patients.	MGI Pharma, Inc.
3341				Treatment of xerostomia induced	
				by radiation therapy for head and	
	Pilocarpine	Salagen	9/24/1990	neck cancer.	MGI Pharma, Inc.
3342					Astellas Pharma
					Global Development
	isavuconazonium sulfate	Cresemba	10/25/2013	Treatment of zygomycosis	Inc.
3343					
				Treatment uveitis involving the	Bausch & Lomb
	Fluocinolone	Retisert	7/31/2000	posterior segment of the eye.	Pharmaceuticals, Inc.
3344					
				Use in sentinel lymph node	
				detection (SLN) with a hand-held	
				gamma-counter, with	
	technetium Tc 99m			scintigraphic imaging, in patients	Navidea
	tilmanocept	Lymphoseek	9/17/2014	with cancer of the head and neck	Biopharmaceuticals
3345					
				Use in the management of	
				patients undergoing continuous	
				renal replacement therapy with	
	biocarbonate infusate	Normocarb Hf	8/9/2005	hemofiltration	Dialysis Solutions, Inc.

Row Num	Generic Name	Trade Name	Designation Date	Designation	Contact Company/Sponsor
3346					
				Use in the treatment of	
				mucopolysaccharidosis (MPS)	BioMarin
	elosulfase alfa	Vimizim	5/15/2009	Type IV A (Morquio A syndrome)	Pharmaceutical Inc.